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The light at the end of the tunnel



Students gathered in the Gilman Tunnel to view "Interstices", the DMC's interactive light painting. The installation was a part of JHU Arts Festival which began Wednesday.

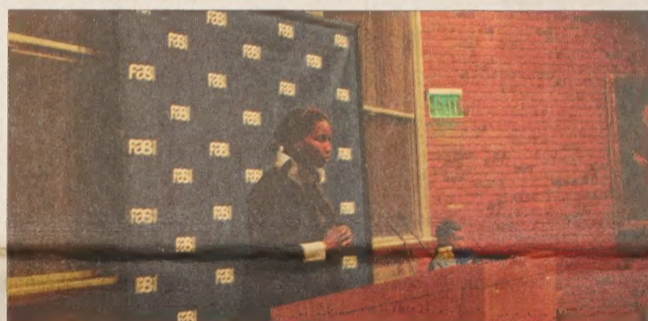
MORGAN YANG/PHOTOGRAPHY EDITOR

Muslim activist speaks at FAS, stirs controversy

By ALI BOYLE
For The News-Letter

Ayaan Hirsi Ali, an activist for Muslim women, spoke to a packed house in Mudd Hall at the Foreign Affairs Symposium (FAS) event last Tuesday. As one of the speakers in this year's FAS series, "Global Citizenship: Re-examining the Role of the Individual in an Evolving World," Ali discussed the relationship between Islam and the West, and the evolving role of Muslims in a globalized world.

Her initial remarks invoked Samuel Huntington as she discussed a "clash of civilizations" between Islam and the West. "There is no relationship more intimate . . . than that between Islam and the West," she said.



JIAYI WANG/STAFF PHOTOGRAPHER
Hirsi Ali discussed the dangers of committing crimes in the name of religion.

The relationship between the West and Islam, she argued, is especially pertinent given the recent climate of American military aggression in Islamic nations.

Hirsi Ali then discussed the atrocities that have been committed in the name of Islam especially injustice against women. She addressed two specific instances. The first was a story of a child

born in Yemen who was forced to marry a 40-year-old man at the age of 8. "The father's compassion says to him, 'something is not right,' but he feels comfortable in the context in which both the potential husband and the father look back to one individual for moral guidance: the prophet Muhammad," Hirsi Ali said.

The other tale was of a woman who was given away by her father as property to an older man; she ran away from his home to escape sexual abuse. Upon her capture and return, her ears and nose were cut off. "[This] illustrates the different attitude toward women in the West and Islam," Hirsi Ali said.

"There was no outrage in Muslim countries," Hirsi Ali said, SEE FAS, PAGE A7

Sophomore cyclist not expected to recover

Family to file lawsuit against vehicle driver

By SARAH TAN
Editor-in-Chief

Sophomore Nathan Krasnopoler, the Hopkins student who was struck by a car on Feb. 26, is not expected to recover cognitive function, according to family members.

Krasnopoler was seriously injured when he collided with a vehicle making a right turn while he was bicycling on University Parkway last month.

He has suffered severe brain damage as a result of the collision and is currently at Hopkins hospital where he has been in a coma since the accident.

According to a press statement released by his family, Krasnopoler suffered brain trauma from a lack of oxygen reaching his brain after his lung collapsed in the accident.

Doctors have determined through a series of tests that the brain damage he has sustained is permanent and that he is not expected to recover any brain function.

"We continue to support Nathan's family and we await the results of the investigation into the accident," Hopkins spokeswoman Tracey Reeves said.

Krasnopoler's family has since filed a \$10 million lawsuit against the driver of the vehicle involved in the accident, 83-year-old Jeanette Marie Walker, for traffic violations.

Arts Innovations Grants seeks to improve arts on campus

By ABIGAIL HARRI
Staff Writer

The Arts Innovation Grants announced plans late March to award approximately \$20,000 to faculty and student applicants to initiate the growth of the arts-related efforts on campus for the 2011-2012 school year.

This year, the grant was awarded to junior Jonah Furman, senior Stephanie Delman and junior Daniel Littwin.

The Arts Innovation Program was created in 2006 and designed to assist Hopkins faculty in developing new interdisciplinary credit courses for undergraduates and to assist undergraduates in creating or increasing the impact of co-curricular activities in the arts within Hopkins as well as paired with Baltimore communities.

Winston Tabb, Sheridan Dean of University Libraries and Museums, explained that the grant money was set aside in 2005 when the Homewood Arts Task Force finished its work (it looked at a number of issues including undergraduate courses in the arts, support for student arts organizations, and the relation of Hopkins arts to Baltimore). The

Task Force included students as well as trustees, faculty, and staff.

"One of [The Homewood Arts Task Force's] top ten recommendations was that these grants should be offered to students and to faculty to either create new artistic opportunities or to more particularly bring their art into the Baltimore community," Tabb said.

The intent of the faculty grants, as delineated by the announcement of the application earlier this year, is to provide funding for courses that would not otherwise be offered in order to strengthen arts and cultural experiences for undergraduates, especially through their interdisciplinary nature.

This interdisciplinary aspect of a given course is required through two divisions of Hopkins or one division and a community partner, such as another college or university.

Art Workshop Director Craig Hankin noted that although requiring the courses formed from the Arts Innovation Grants to be interdisciplinary isn't absolutely necessary, it has resulted in a positive outcome.

"For us it's very desirable to work across disciplines and it SEE ARTS GRANT, PAGE A8

These grants should be offered to students...to bring their art into the Baltimore community.

— Winston Tabb, Sheridan Dean of University Libraries and Museums

Hopkins DSAGA jointly hosts first LGBT ball

By JULIA ANGLEY
Staff Writer

This past Saturday marked the first ever LGBT Ball on Hopkins campus. The event, which drew over a hundred attendees, was envisioned by the newly formed GLBT Grad Student Association and put on in conjunction with Diverse Sexuality And Gender Alliance (DSAGA), JHMI's Gertrude Stein Society and the Peabody Gay-Straight Alliance.

Tommy Tong, president of the GLBT Grad Student Association, spoke about what gave him the idea. "The GLBT Grad group is new on campus, and though we're grad students, we're still close in age and have similar interests with all the other schools here. We talked a little bit about setting up a Hopkins-wide ball, and we got a response from the grad students," he said.

Tong talked about the unique opportunity for a networking event like this at Hopkins. "Here at Hopkins, we're near all these other schools. Peabody, the medical school, and of course the undergraduates. So we wanted to do some sort of net-

working event." And a ball seemed like the perfect idea to the group.

After they decided on a ball, the preparations began. Tong addressed intense planning that went into the event. "We applied for a grant at the beginning of the semester, and it took about a month to actually get the funding. And reserving the room was a hassle, so it took a while to plan it."

But, all that planning was worth it. "The event ended up being in the Charles Commons Ballroom, which was really nice. We had a dance floor, a DJ, and really good food. And there were student performers from all the different groups doing a Drag lip sync, that was a lot of fun, too," Tong said.

The night, which was designed as a networking event and mixer between the different Hopkins groups, was a success. "People were talking and socializing," Tong said. "It was a good chance to bring everyone together at Hopkins and raise awareness about GLBT issues."

The graduate students weren't the only ones who had fun; the president of DSAGA, senior Patrick Armstrong, said he was pleased

with the way the event turned out. "The grad students did most of the planning, but DSAGA contributed some funding, so it was a good collaborative event. And beyond that, it was a great mixer, and a good way to bring people together," Armstrong said.

"The night featured a lot of fun things," Armstrong continued. "Catered food, ice breakers, and there were lots of undergrads and grad students, and even some professors." The highlight, though, was definitely the student performances according to Armstrong. "The drag performances were all really good!"

Both groups were so pleased with the outcome of the event that they're already looking at continuing it in the future. "It'd be great if it became an annual event," said Tong. "Since this first year was so successful, we're already looking for ways to improve for next year."

Armstrong, equally pleased with the event, was even bolder in his hopes for the future. "Based on the success, it could probably be an event we put on each semester."

JHU dedicates new center for German thought

By MICHAEL NAKAN
News & Features Editor

University of Bonn President Jürgen Fohrmann ushered a new era of German studies into Hopkins Tuesday with an inaugural speech regarding the origins of modern German thought.

The New York-based Max Kade Foundation is opening a new house at Hopkins, entitled

The Max Kade Center for Modern German Thought (MKCMGT). This will result in several new German thought classes at Hopkins, including Panorama of German Thought and The Idea of the University in Fall 2011.

"Our mission is to show involvement in German intellectual trends," Rochelle Tobias, Professor of German and co-director of MKCMGT, said. "We

want to promote the study of the German language and culture and [become more] transatlantic."

Plans for the future include the formation of a new minor in modern German thought, internship opportunities in the US and Germany and improvements in study abroad programs.

Tuesday's events featured SEE GERMAN, PAGE A8

NEWS & FEATURES

Disability class presents research

By JULIA ANGLEY
Staff Writer

On Monday, the Sociology of Disability class, taught by Christian Villenas, showcased their semester-long research projects in a poster presentation.

The class, comprised of twenty-five students, was told to research various aspects of the Hopkins community, assessing how accessible the campus was for those with physical, sensory and learning disabilities.

One group that assessed the newly renovated Gilman Hall pointed out a number of flaws in the buildings design. According to their assessment, hallways are often narrow, ramps are not nearly as frequent as they could be in the building and many classrooms are too narrow to navigate into with a wheelchair or scooter. "All this, after 73 million dollars in renovations," junior Risa Rifkin, the speaker for the group, said.

Additionally, counters are high at cafes and in the bathrooms, with the bathroom soap dispensers nearly inaccessible for someone who is in a wheelchair.

"All these fixes are relatively inexpensive," Rifkin noted. "They could make another counter space, or a lower soap dispenser."

Another group member, senior Lauren Pollack, feels that changes could be made to the Hut. "[It] could be made more accessible by automating the main door," she said.

She stressed that some of these small changes would go a long way toward improving the overall accessibility of the building.

"Clearly there is money, but most of these changes won't even take millions of dollars," she said.

Another group, who investigated accessibility at the medical campus, had similar findings. Cramped cafeterias with bench seating, high counters and a lack of Braille menus and directories were among the problems they discovered. They, too, had simple recommendations.

"Adding a groove in the floor on the right side of the hallway for tracking would help aid walking for those with full or partial blindness," junior Erika Ho, one of the groups' presenters, noted.

"They could also redesign maps with levels and Braille."

However, their biggest critique was not in moving around

the medical campus, but in getting to it. Most of the students at JHMI get there by way of the shuttles that run across the city, the most popular one being the route between Homewood and JHMI. "However, when we called to request a wheelchair accessible shuttle, the operator told us that they have two, but both are broken and they have no plans to fix them," Ho explained.

Instead, the shuttle company hires private contractors to pick up riders who need wheelchair accessible vans. "The private contractors were 10 minutes late, and the van had a broken lift," senior Matthew Li, the groups' second presenter said. "Eventually, they were able to get the wheelchair in manually, but Dylan [the student in the wheelchair] wasn't properly strapped in." Dylan arrived safely at JHMI, but after a great deal of hassle.

Another group talked about web accessibility for the visually impaired at Hopkins. "Right now, web accessibility is sug-

gested, but not required. And the Hopkins website is fancy, but not accessible," junior Alexa Grant, one of the presenters, said. Screen readers, tools that turn printed words and images on the screen into audio for visually impaired web patrons, get tripped up on the search function at the top of Johns Hopkins University's main webpage.

They also dipped into other aspects of web accessibility. "There is a stand-up e-mail kiosk in Olin Hall with a sign taped to

it that says, 'Please do not pull up a chair,'" junior Samantha Berns, another presenter, noted. "Simply taking down this sign would be a big step towards accessibility!"

Another group talked about the Student Health and Wellness Center. The current center has some problems, namely narrow hallways, heavy doors with round knobs and cramped bathrooms.

Thankfully, as the group points out, the Health and Wellness Center is moving to the Homewood Apartments next year. "However, this is less centrally located," juniors Toyin Ola and Stephanie Fong, the groups' presenters, said. "The sidewalk on the way there is crooked and cracked, and needs new curb cut outs, as well as new crosswalks."

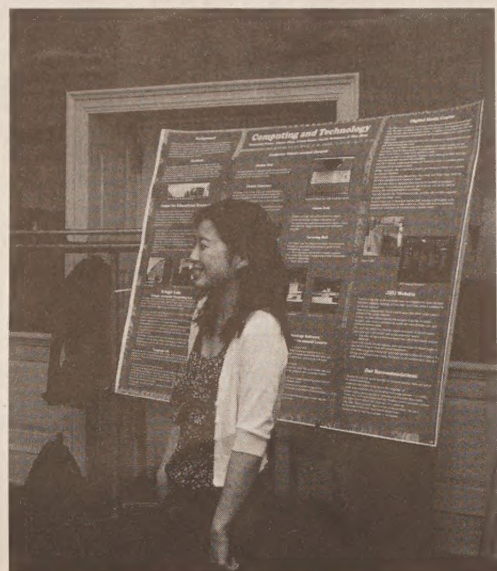
After the presentations were over, Villenas commented on the importance of the class. "My class teaches students that in the relationship between society and institutions there can be barriers, and unfortunately [Hopkins] has a lot of them." But he thinks his students can begin to break them down. "We're providing an important service for free. We usually give these posters to the Office of Disability Services to advocate for more resources. The intention is to start a dialogue, though dialogue isn't always positive, and organizations may feel as though

the students are being hostile. It's hard to hear that you're ableist."

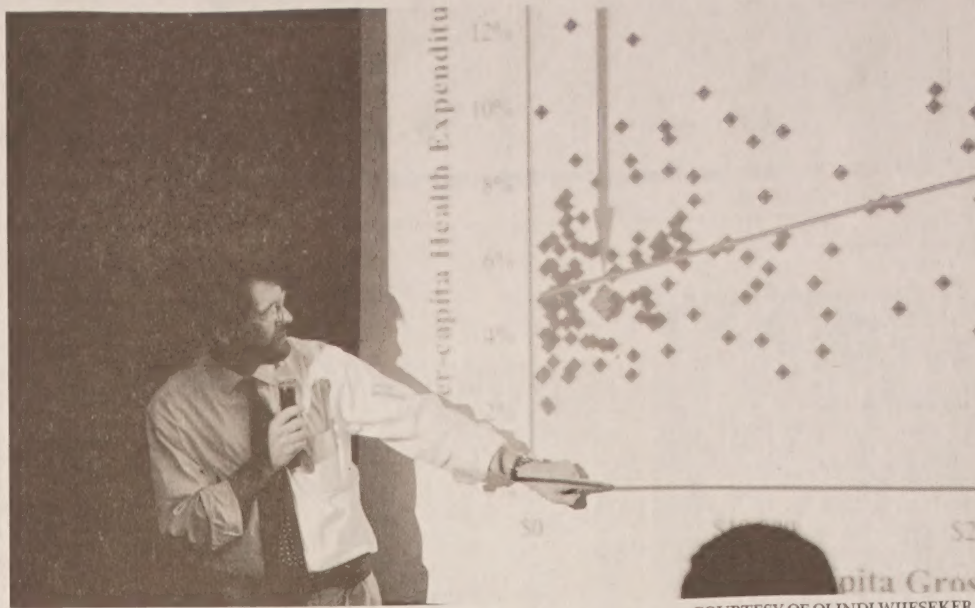
However, Villenas's class highlights the fact that, at some point, someone has to say it, and his students are willing to push for change.

"I've become passionate about this, and the next step after research is raising awareness," senior Esther Kwak, one of the students said, though she doesn't have any specific plans.

"It'd be cool if it turned into a grassroots thing."



MATT LI/STAFF PHOTOGRAPHER
The Sociology of Disability class assessed the campus's facilities.



Dr. Richard Redett, director of SHARE, enlightens volunteers and students about the harsh realities of medicine throughout the world.

SHARE doctors speak at Homewood

By WANG JAE RHEE
News & Features Editor

This past Monday night, Hopkins student group SHARE — Supporting Hospitals Abroad with Resources and Equipment — organized an informational speaker event, with hosts Dr. Richard Redett and Dr. Fizan Abdullah, in the Charles Commons Banquet Room. A completely student-run group, SHARE aims to collect unused or reusable medical supplies usually thrown out by Hopkins Hospital, eventually sorting, packaging and shipping them abroad.

These supplies are delivered in one of two ways: via Hopkins affiliates going on a medical service trip or via Humanity First, a group of both medical professionals and volunteers who serve disaster-stricken and extremely impoverished areas throughout the world.

Dr. Abdullah, a doctor at JHMI, is Medical Director of Humanity First and thus works very closely with SHARE, while Dr. Redett is director of the program as well as an associate professor of plastic surgery and director of both pediatric plastic surgery and plastic surgery residency at Hopkins.

Redett, who initially wanted to become a biologist and had no interest in being a doctor, looked back to his formative years and his experience working with impoverished children in Africa. "When I went to Africa in 1986... malaria, pneumonia, HIV and measles were killing these kids," Redett said. "Kids like that really stood no chance, they were such a minority... so low on the public health ladder. That was the very first time that I became interested in, if not plastic surgery, medicine."

Turning the discussion to the service trips going on currently, Redett spoke of two goals. "We do surgeries, cleft surgeries, hand surgeries," he said. "More importantly, though, we teach others how to perform [these surgeries]."

The problem lies in the poor economies of these nations. "When I go to Peru a couple times a year, most of the surgeons tell me that they have a half day a month when they're required to do repair cleft surgery or burn surgery or hand surgery on poor children," Redett said.

The problems affecting medical institutions in developing countries is much more basic. "Many times they don't even do that half day, because they don't have sutures. They don't have IV fluid, they don't have gas for the

anesthesia," Redett said.

SHARE recycles and ships unused or "gently used" equipment to developing nations that lack fundamental medical supplies. The organization has grown exponentially over the past few years.

"The very first meeting I went to for SHARE was on the 9th floor of the children's hospital and there were 5 or 6 people there," Redett said. "Talking about how to restructure SHARE, no one thought that we'd have 95 volunteers [today]."

"[Around five years ago] we were probably sending 1000 or 1500 lbs of supplies overseas. Last year you guys sent 11,000 lbs, and that's pretty impressive," Redett said.

The manner in which these supplies are shipped can differ. "We ship ahead of time, if we have a lot of stuff, or we carry it with us. It depends on whether where we're going is an established site such that we don't worry about the stuff getting stolen," Redett said. "It's really expensive to ship."

In addition to hand-carrying it and utilizing Humanity First, SHARE has also developed relationships with different hospitals abroad.

"If a hospital in Central or South America asks for equipment and we know the hospital, the people, and we know it'll be put to good use, then we would send it," said Redett. "Most of the time, though, it's through Humanity First."

Dr. Fizan Abdullah, who took the floor next, approached medical service from a slightly different perspective, emphasizing the importance of surgery throughout the developing world. Abdullah began with his service trip to Ghana, which was funded by the Bloomberg Philanthropy Fund. The goal of this trip was to determine who exactly was administering medical care, and the results were often quite frightening.

"[Often] the medical officer is doing surgery, which is equivalent to an intern who just graduated medical school performing surgery. That's pretty scary," Abdullah said.

This problem spoke to an issue that both Humanity First and other service groups have to deal with frequently: Is it acceptable to train those "unqualified" to perform surgery?

"There is a huge medical op-

position to the concept of people who are not fully trained performing surgeries. It is a significant battle happening in the realm of international public health," said Abdullah. "Surgery is the 'neglected stepchild of public health.'"

This event is the first of its kind for SHARE, which is in many ways still a fledgling organization. "When I was a freshman, SHARE only had 4 undergrads, including myself, but now we have 95 volunteers," said junior co-president Neel Pasricha. "It was an ideal time to have an event for both new volunteers and laypeople to meet doctors Redett and Abdullah."

"Our goal in bringing Dr. Redett and Dr. Abdullah [here] was to have students hear their perspectives. Having gone abroad numerous times, these doctors can truly speak to the mission of SHARE," said Pasricha. "It gives great perspective on both medicine and responsibility. We shouldn't be wasting these supplies when people are literally dying without them."

According to Pasricha, in addition to giving knowledge to the general public, the event served to show how volunteers actually contribute.

"For those asking themselves 'Am I really making a difference?' seeing videos of mission trips made it all worthwhile," Pasricha said. "It made us aware of how the work we do at JHU has impacted the world and how much potential we have by cutting our waste and providing other countries with supplies they really need."

Freshman Lydia Liang, newly elected public relations leader for SHARE, agreed with this point. "What I enjoyed most was that it allowed us, as members of SHARE, to put what we do in a global context," Liang said. "We can see the impact that we have from Baltimore."

"Our goal is for other hospitals to adopt the SHARE model and change the amount of supplies they actually take out. They have surgical packs that oftentimes remain untouched by surgeons, yet get thrown out at the end of every single surgery. Such a system is inherently wasteful and we hope to change the way in which hospitals allocate resources in this and other areas," Pasricha said.

—Additional reporting by Greg Sgammato

Freshman housing selection begins

By SUZ AMEDI
Staff Writer

Last Tuesday marked the beginning of the three-day freshman housing selection process. Freshmen, mostly as groups of two, three or four, completed housing forms about two weeks ago. Individual forms were also available for those entering the lottery system alone and without a group. The form asked for building preferences and information about each member of the group. Last Saturday, April 2nd, each freshman group was then given an assigned number, signifying where it stood in line to pick rooms for next year.

"A total of 386 numbers were given out," Tracey Angel, the housing coordinator and head of the freshman room selection process, said. "It was completely random, all done by a computer."

Students naturally reacted differently to their numbers, but most agreed that the system that the University had set up for housing was fair.

"I guess it's as fair as they can make it," freshman Catherine Bernstein said. "They couldn't really do it any other way without making people upset, even though sometimes it doesn't work out for people."

"I guess there's no better way to do it, but I liked it because I benefited," freshman Adhiraj Goel said. Goel had received a lottery number of 49.

When freshman received their lottery numbers, most initially wondered how many people would be able to live in the more popular apartment buildings, such as Bradford and Homewood, or the equally well-liked

Charles Commons.

Angel did not know how many people would get the housing they preferred.

"I don't know because all I have is history to go by," Angel said. "It's really interesting because students are choosing differently than they have in the past. They're choosing Charles Commons before the apartment spaces, and usually the apartment spaces are gone by the first night. However, we still had some left over for the second day this time."

The housing office has provided several information sessions for people to learn how to navigate the housing process, should it be confusing. However, not a lot of freshmen attended these meetings.

"Students don't seem to be quite as prepared this year as they have been in the last few years," Angel said. "But we've had more information sessions and more making-your-number-work-for-you sessions than in the past."

Some students did not take advantage of these information sessions because they were at awkward times and were unnecessarily numerous.

"They told us everything that we needed to know, but I guess it was a little confusing because there were a lot of separate processes," freshman Lily Thompson said. "They could have condensed all of the meetings into one meeting, but instead they had a lot of different ones that told you different things. Also, the meetings were at weird times. They were always at like three or four [in the afternoon], when people had classes."

However, most freshmen thought the housing process was straightforward, or as straightforward as it could be. James Fanto, another freshman, was unable to make room selection at the time that was assigned to the group. "I had class, so I gave a proxy form instead," he said. "It was all very straightforward."

"I think they [JHU Housing] did an excellent job. Between the optional meetings and the chocolate they handed out, the information was definitely accessible," freshman Margaret Keener said. "I went to an info meeting and a 'how-to-make-your-number-work-for-you' session. Both were helpful. They had floor plans available so you could look at the rooms, and gave you realistic margins of what might be available. There were just a lot of different ways to prioritize and make you prepared for your specific day."

Some people have wondered whether the abnormally large size of the current sophomore class, as they move out of University housing, would mean that this year's freshmen would have more housing options.

Angel said that it's not clear yet. "It depends on how next year's class comes in. At this point we've had about 260 spaces for upper-classmen students for next year," Angel said. "The freshman class projected number is up by 10 and the transfer number is up (as a projection). It's hard to predict so we're going to have to see how this all falls out. We don't really have a sense of that until next fall when we know what the incoming freshman for [the] following class looks like."

SGA discusses upcoming elections

By KUNAL AJMERA
For The News-Letter

This week's SGA meetings centered around the upcoming executive board elections, as well as whether or not seniors would be allowed to vote in student group elections. The meeting also touched upon recent turmoil surrounding the union dispute between campus food provider Aramark and the University. Regarding the Aramark union dispute, President of SGA Mark Dirzulaitis felt that the SGA should take a neutral position in the matter.

"I suggest, we as the SGA don't get involved in this matter and endorse a stance of fair contract. It is not the students' job to get involved in a labor dispute. We should be focusing on more

important things and on things over which we have control."

At the forefront of the meeting was the upcoming SGA executive board election which is scheduled to run from this Thursday to Sunday. A turnout of one thousand five hundred voters is expected.

There are two tickets running this year. The first ticket has slated junior Kirk Sabnani, junior Scott Barrett, junior Nick Trenton and junior Annie Scavelli running for president, vice president, treasurer and secretary respectively. The second ticket has junior Ardi Mendoza, sophomore Wyatt Larkin, junior Joannam Gawlik and freshman Alex Dash.

In addition, there are two independent candidates running for treasurer this year, junior T.J.

Bozada and junior Stephanie Valarezo.

Further on, an extensive dialogue ensued; regarding the right for seniors to vote within student groups. This was presented in the form of two bills by senior class President Josh Ayal. The first was a radical bill which proposed that a student group which did not allow seniors to vote would be denied funding.

The second bill proposed a more relaxed approach wherein a group which did not allow seniors to vote could only get the minimum amount of funding as opposed to another group that allowed all of its members to vote.

If the bill does get passed, he believes that student groups that bar seniors from voting shall see a shift towards a more engaged student membership.

NEWS & FEATURES

Fannie Mae, VP of Credit Analysis, gives talk on being a corporate mathematician

By JULES SZANTON
For The News-Letter

The Hopkins Undergraduate Society for Applied Math (HUSAM) had Leslie Deich, Fannie Mae's Vice President of Credit Analysis, speak as part of their series focusing on careers in mathematics last Tuesday. The event was cosponsored by the Economics and Finance Club and the Trading Team. About 35 students attended the event.

Deich spoke about how she grew up loving math, but was hesitant in college to declare herself an applied math major.

Her parents — neither of whom had attended college — went heavily into debt to pay for her tuition at Fairleigh Dickinson University, and didn't see how studying math would lead to a good job offer.

To appease her parents, Deich added a second major in computer science, and began her career in mathematics.

Deich's realization that applied math could be useful in the private sector came when, as an undergraduate, she developed a mathematical algorithm to help her sister, a quality control analyst for an industrial bakery. Her sister's job was to determine which dough recipes could stay soft the longest while being kneaded. Deich was convinced that math held the answer.

"It was easy, just a matter of finding a regression point," she said. "I wasn't even thinking of this being a job. I was just trying to help out my sister."

Deich spoke frankly about

benefits and the challenges of working as an analyst in the corporate world, and offered advice for the students.

She encouraged students to find a field of math that they are interested in. "Make a list of things you don't like, and what you don't want to be part of your job. A lot of the time, that will tune you in to what you do like."

She also spoke about what it is like as a mathematician working in a corporate environment. A major part of her job is to explain mathematical concepts to her fellow executives. "The reality is that finance executives don't always understand the math behind what they're doing."

Deich recommended that students involve themselves in tutoring projects to practice translating complicated mathematical concepts into understandable language.

"If you can explain it to a second grader, then you can explain it to a corporate executive," Deich said.

However, she also noted that she has learned a lot from her business-oriented colleagues. When teaching statistics in an MBA program at her graduate school, Deich first noticed the teamwork and cooperation that executives are required to display.

She has also noticed that at firms where she has worked like AT&T and Fannie Mae.

"They work together to be successful," said Deich. "That's a really important skill. Our schools don't teach that enough."

Deich also discussed how



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Deich, Fannie Mae's Vice President of Credit Analysis, emphasized the importance of teamwork in being successful in the corporate world, whether as a mathematician or not.

she's learned to make "elevator pitches" — brief explanations of her work to superiors she meets in an elevator. "If you can't explain what you're doing in the course of a two-story elevator ride, they're going to wonder why they're paying your salary," she said.

Students and faculty involved with the event were pleased. Applied math and statistics professor Donnell Fishkind, an advisor to HUSAM, called Deich's talk, "wonderfully engaging," and noted that this was one of many speakers HUSAM

has brought in to talk about career prospects for applied math majors. Last fall, for example, HUSAM brought in a leading actuary from the Social Security Administration.

Graduate student Darsh Singh, the president of the Finance and Economics Club, also spoke highly of Deich.

"She has both industry experience and [an] educational understanding of credit risk and credit analysis," Singh said. "Anyone who's interested in a career in either academics or industry would be interested in hearing her speak."

Deich also responded to questions about what it's like to

work at Fannie Mae in light of how heavily the company was hit by the mortgage crisis.

Deich came to Fannie Mae in 2008, just as the company was in its worst shape. Deich surprised the audience by arguing that working at Fannie Mae during the mortgage crisis was in many ways better than working at AT&T during the company's heyday.

"Look for failing businesses, not booming businesses [when seeking employment]" Deich said. "Booming businesses are set in their ways and don't want to change. That's why they ultimately fail. Failing businesses on the other hand are looking for sug-

gestions. They want to change."

Senior HUSAM President Rachel Kloss liked this message.

"I appreciate what she said about how to be successful in business as well as in math," she said.

Kloss said she believed the event was helpful in convincing applied math majors that their major is preparing them for the workforce.

"People often ask me what I can do with an applied math degree," said Kloss. "My response is that I can go into anything from applied math. The purpose of these events is to help people to see the places applied math can take them."



MOHAN LIANG/STAFF PHOTOGRAPHER

The Hopkins Quidditch team played against University of Maryland and Penn State in a double elimination tournament.

Hopkins hosts its first Quidditch tournament

By MARISSA JAROSINSKI
For The News-Letter

Last Saturday, the Hopkins Quidditch Team hosted its first ever Quidditch tournament, the Charm City Classic. The Hopkins team defeated the University of Maryland and Penn State teams.

The tournament, which ran for four and a half hours, was played by a double elimination process. Each team played twice, resulting in a total of three games. At the end of the three games, Penn State was eliminated, allowing the Hopkins and Maryland teams to move on to the final game.

"It was really successful, we actually got a lot of people from Hopkins to come out and support us," freshman Snitch Damish Shah said.

The rules for the tournament were basically the same as those in Harry Potter but without flying.

Every player has to hold a broomstick between their legs while playing. Instead of having a flying Snitch to catch, the teams enlist "human Snitches" that wear yellow and run around campus.

The final game was shorter than most audience members expected; lasting about 30 minutes. The score was close throughout the game but Hopkins seeker, freshman Brandon Epstein, caught the snitch in

the end. The Snitches fought a tough game; all three human Snitches, freshman J.T. Shafer, Damish Shah and Michael Seng were passing off the Snitch to confuse the players. During this game, the Seeker, sophomore Leslie Myint, tripped while trying to catch the Snitch, and sprained her ankle.

Audience members and team members rushed to her aid, and an emergency responder came to make sure she was okay. In fact, she is fine, and only has to be on crutches for two weeks, according to sophomore Seeker Maria Ontiveros.

It was raining on and off during the tournament, but despite the weather, the turnout to the tournament met the expectations of the team, according to Shah. Additionally, students from the other two schools could be seen cheering at the sidelines.

The fans were also pleased. "It was very exciting, not like anything I've ever seen before," sophomore Holly Goodman said.

The Hopkins team put many of hours of work into the tournament. According to Ontiveros, the team started planning in February.

At first, they invited six other schools. Three schools accepted the invitation, but one cancelled at the last minute, leaving three teams total for the tournament.

To fund the tournament, the team applied for an FAC grant, which they got partially.

To spread publicity, the International Quidditch Association posted the event on their website and sent invitations, according to Shah. The team also created a video of the original song, "Like it's Quidditch" and posted it on YouTube.

Ontiveros stressed it was a lot of work; they made fliers, a banner, napkin holders, created a Facebook event and they even got their event on the daily announcements. In addition, they created a Charm City Classic t-shirt.

To Shah, their most important preparation for the tournament was practice. "We had a lot more varsity practice during the weeks that were leading up to it. We tried to work out train a little bit harder," he said.

Although the team was ecstatic about their win, the tournament meant something more to the players. "Quidditch is the most special sport ever," Shah said.

Ontiveros agreed. "I think the important thing is that all the teams who were there had a lot of fun, and really what we wanted was a chance to get to know local teams," she said. "I think we really accomplished that." Ontiveros added that the Hopkins team was looking forward to playing at the University of Maryland in two weeks.

Library launches new search interface

The new tool, Catalyst, seeks to simplify and enhance searching process

By SEUNG HYUN OH
Staff Writer

On March 18th, the library announced a new way in which to better support its scholars: a new library search interface.

The tool, called Catalyst to emphasize a sense of speed and efficiency, was developed as an open source project by Hopkins software developers to ultimately replace the old search interface, according to David Kennedy, the head of systems for the Sheridan Libraries.

"The [old] interface is not very modern, is not very customizable, and does not suit our users' needs," Kennedy wrote in an e-mail to *The News-Letter*.

In a user needs assessment conducted in 2008 which included 78 user needs assessment interviews, Kennedy found that the old system needed improvement.

"From that assessment, we developed user personas, and also had some evidence that our interfaces were not meeting the needs of our users, nor were they in keeping with our users' varied and changing internet behaviors," he wrote.

After the problem was evaluated, JHU Libraries joined an open source community for a software project called Blacklight, and from there, it built Catalyst.

"Blacklight, as an open source project, originated at University of Virginia," Kennedy wrote. "Jonathan Rockkind and Sean Hannan [Hopkins software developers], further developed the Blacklight software within the community to the point where it was sufficient to serve the JHU community."

The cost of developing Catalyst was very small.

"Because we are working with an open source software, the out-of-hand cost was minimal," Sean Hannan, senior web developer for the Sheridan Libraries, wrote in an e-mail to *The News-Letter*. "Staff time was the largest cost in the project," he added.

Created with massive work and lots of collaboration from many other libraries, Catalyst is quite a masterpiece. And yet, most importantly, it was created to fit the needs of the JHU students.

The new search interface is very different from the old ones in many ways. "There are a lot of feature improvements," Kennedy wrote.

"Catalyst operates with some of the principles that we have learned from our user assessments. And we have designed it so that it fits with the user behaviors that our researchers have become accustomed to on the Internet," he continued.

To start, Catalyst is simple to work with.

"Catalyst is a more modern interface. Executing a search is made simple and efficient. There is a single search box, like Google, and users are encouraged to enter their search and get results right away," Kennedy explained.

In addition to simplicity, Catalyst also allows the searcher to refine their queries to an remarkable degree.

"You can 'build a search,'" Hannan wrote. "For example, you could type in some key words, and then decide that you only want to see things that are in Eisenhower Library. You can limit your search there. Then you can decide that of those results, you only want to see books. You can narrow your search down further," he wrote.

"Users are then able to easily manipulate results after a search," Kennedy wrote.

"Catalyst also brings a lot of relevant information right to the interface, such as images of book covers, links to full text, and user reviews from places like Amazon. Catalyst also provides users with the ability to easily grab formatted citations for each record, or export to a citation manager, or e-mail to themselves, or better yet, txt to their phone," Kennedy wrote.

Catalyst is not a finished product yet.

"This release is a beta release, and we will continue to develop the interface throughout the beta release based on feedback and user assessment," Kennedy wrote.

But both Kennedy and Hannan hope to replace the old catalog with Catalyst very soon.

"We are looking to replace the old catalog completely this summer," Hannan wrote.

The larger student body, however, seemed to be largely unaware of this new interface. Of the 10 students asked, only two knew about Catalyst. One of the students who did, freshman Jin Ryang Chung, acknowledged the fact that Catalyst was under-advertised.

"I think the new catalog, Catalyst, is not known to the public because there's an old catalog still running along with it," Chung said. "When you log on to the library computers, the main page is still [the] old catalog, and I don't feel much need to go to the new catalog, especially when you are in a rush."

But he did think positively of Catalyst. "The new Catalyst is definitely a much easier and faster way to utilize the library resources to their maximum potential," he said.

Indeed, both Kennedy and Hannan reported positive reactions from those who have heard about the new search interface.

"Since launching the beta two weeks ago, we have received steady feedback from faculty, staff and the general student body," Kennedy wrote. "The feedback received so far has been overwhelmingly positive, that the Catalyst interface is a great improvement over the old catalog."

"Some users have very kindly pointed out areas that could be improved for their particular uses and fields of study," Hannan added.

In addressing the problem of under-advertisement, Hannan described efforts to better promote Catalyst.

"We are trying a number of new (for the library) promotion strategies with Catalyst. This includes getting the word out through our Facebook page (<http://www.facebook.com/mselibrary>) and Twitter account (<http://twitter.com/mselibrary>)," Hannan wrote.

In addition, the MSE Library is currently holding user testing on Catalyst from April 5th to April 15th, with a \$10 Amazon gift card as reward for giving opinions and feedbacks.

"We welcome all of this feedback, after all, we can't make a better tool for you to use if you don't tell us how you use it."

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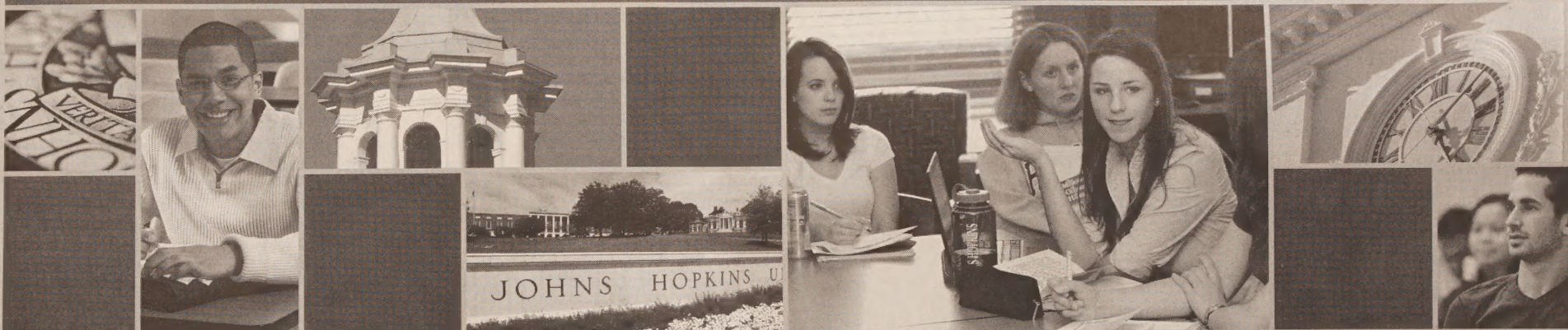
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NEWS & FEATURES

2011 UNDERGRADUATE SUMMER COURSES

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|--|---------------------|----------------------------|--|--|--|
| AFRICANA STUDIES | | | | | |
| African Diaspora | AS.362.220.01 (HSW) | P | | | |
| ANTHROPOLOGY | | | | | |
| Commodities and Comforts: The Anthropology of Mass and Popular Culture | AS.070.142.01 (HS) | I | | | |
| Indigenous Issues Today | AS.100.227.11 (HS) | I | | | |
| APPLIED MATH & STATISTICS | | | | | |
| Mathematics and Politics | EN.550.103.11 (Q) | I | | | |
| Statistical Analysis I | EN.550.111.11 (QE) | I | | | |
| Statistical Analysis II | EN.550.112.21 (QE) | II | | | |
| Discrete Mathematics | EN.550.171.21 (Q) | II | | | |
| Introduction to Biostatistics | EN.550.230.21 (QE) | I | | | |
| Probability and Statistics | EN.550.310.21 (QE) | I | | | |
| Cryptology and Coding* | EN.550.371.11 (QE) | I | | | |
| ARABIC | | | | | |
| Beginning Arabic I | AS.375.119.11 | I | | | |
| Beginning Arabic II | AS.375.120.21 | II | | | |
| ART | | | | | |
| Painting Workshop I | AS.371.133.21 | II | | | |
| Art of Architecture | AS.371.147.21 (H) | II | | | |
| Photshop and the Digital Darkroom | AS.371.151.21 (H) | II | | | |
| Exploring Art in a Virtual World (Online Course) | AS.371.169.21 | II | | | |
| Documentary Photography | AS.371.303.21 (H) | II | | | |
| Photography: Program in Ireland* | HA.371.304.31 (H) | SA | | | |
| BIOLOGY | | | | | |
| Intro. to Biological Molecules | AS.020.205.21 (N) | II | | | |
| Intro. to Biological Molecules | AS.020.205.22 (N) | II | | | |
| Biochemistry* | AS.020.305.11 (N) | I | | | |
| Biochemistry Laboratory* | AS.020.315.21 (N) | II | | | |
| Molecular Evolution* | AS.020.376.21 (N) | II | | | |
| CHEMICAL AND BIOMOLECULAR ENGINEERING | | | | | |
| Chemical and Biomolecular Engineering Lab* | EN.540.313.11 (EW) | I | | | |
| CHEMISTRY | | | | | |
| Introductory Chemistry I | AS.030.101.11 (N) | I | | | |
| Introductory Chemistry II | AS.030.102.21 (N) | II | | | |
| Introductory Chemistry Lab I | AS.030.105.11 (N) | I | | | |
| Introductory Chemistry Lab II | AS.030.106.21 (N) | II | | | |
| Intro. Organic Chemistry I* | AS.030.205.11 (N) | I | | | |
| Intro. Organic Chemistry II* | AS.030.206.21 (N) | II | | | |
| Problem Solving Methodology in Organic Chemistry I* | AS.030.207.11 (N) | I | | | |
| Problem Solving Methodology in Organic Chemistry II* | AS.030.208.21 (N) | II | | | |
| Intro. Organic Chemistry Lab* | AS.030.225.11 (N) | I | | | |
| Intro. Organic Chemistry Lab* | AS.030.225.12 (N) | I | | | |
| Intro. Organic Chemistry Lab* | AS.030.225.23 (N) | I | | | |
| CLASSICS | | | | | |
| Love, War and Glory: The Gods and Heroes of Greek Mythology | AS.040.134.11 (H) | I | | | |
| The Grandeur That Was Rome | AS.040.135.21 (H) | II | | | |
| COMPUTER SCIENCE | | | | | |
| Intro. to Programming in Java | EN.600.107.11 (E) | I | | | |
| Intro. to Programming in Java | EN.600.107.22 (E) | II | | | |
| Foundations of Computer Integrated Surgery | EN.600.245.21 (E) | II | | | |
| Automata & Computation Theory* | EN.600.271.11 (QE) | I | | | |
| Computer System Fundamentals* | EN.600.333.11 (E) | I | | | |
| Computer Systems* | EN.600.433.11 (E) | I | | | |
| EARTH & PLANETARY SCIENCE | | | | | |
| Introduction to Global Environmental Change | AS.270.103.01 (N) | P | | | |
| EAST ASIAN STUDIES | | | | | |
| Intro. to Eastern Philosophy | AS.150.227.21 (H) | II | | | |
| Korean Culture: Past & Present | AS.360.244.11 (HS) | I | | | |
| ECONOMICS | | | | | |
| Elements of Macroeconomics | AS.180.101.11 (S) | I | | | |
| Elements of Macroeconomics | AS.180.101.22 (S) | II | | | |
| Elements of Microeconomics | AS.180.102.11 (S) | I | | | |
| Elements of Microeconomics | AS.180.102.22 (S) | II | | | |
| Economic Development* | AS.180.228.21 (S) | II | | | |
| International Trade* | AS.180.241.11 (S) | I | | | |
| International Monetary Economics* | AS.180.242.21 (S) | II | | | |
| ELECTRICAL & COMPUTER ENGINEERING | | | | | |
| Circuits* | EN.520.213.11 (E) | I | | | |
| Signals and Systems I* | EN.520.214.21 (QE) | II | | | |
| ENGLISH | | | | | |
| The British Empire and 20th-Century Fiction | AS.060.121.21 (H) | II | | | |
| Shakespeare and (Teen) Film | AS.060.150.11 (H) | I | | | |
| Introduction to Modern Fiction | AS.060.200.11 (H) | II | | | |
| Radical Politics and the English Novel | AS.060.208.01 (H) | P | | | |
| The American Novel since World War II | AS.060.209.21 (H) | II | | | |
| Wilde to Eminem: A Literary History of the Obscene | AS.060.216.11 (HS) | I | | | |
| The Rise of the Woman Novelist | AS.060.252.21 (H) | I | | | |
| Modern Poetry | AS.060.254.21 (H) | II | | | |
| The Female Novel of Development | AS.060.334.11 (H) | I | | | |
| ENTREPRENEURSHIP & MANAGEMENT | | | | | |
| Introduction to Business | EN.660.105.21 (SW) | II | | | |
| Financial Accounting | EN.660.203.11 | I | | | |
| FILM & MEDIA STUDIES | | | | | |
| American Comedy Classics | AS.061.251.11 (HW) | I | | | |
| Watching the Detectives | AS.061.254.21 (HW) | II | | | |
| What Is Engineering? | EN.550.110.01 | II | | | |
| GERMAN & ROMANCE LANGUAGES & LITERATURES | | | | | |
| French Elements I | AS.210.101.11 | I | | | |
| French Elements II | AS.210.102.21 | II | | | |
| Online Spanish Elements I | AS.210.111.11 | I | | | |
| Online Spanish Elements II | AS.210.112.21 | II | | | |
| German Elements I | AS.210.161.11 | I | | | |
| German Elements II | AS.210.162.21 | II | | | |
| Intermediate French I | AS.210.201.11 (H) | I | | | |
| Intermediate French II | AS.210.202.21 (H) | II | | | |
| French: Intro. to Phonetics | AS.210.205.11 (H) | I | | | |
| Online Intermediate Spanish I | AS.210.211.11 (H) | I | | | |
| Intermediate Spanish II | AS.210.212.21 (H) | II | | | |
| Online Advanced Spanish I | AS.210.311.11 (H) | I | | | |
| Online Advanced Spanish II | AS.210.312.21 (H) | II | | | |
| Intro. to French Literature II | AS.212.202.21 (H) | II | | | |
| Cinema in Spain and Latin America | AS.215.375.11 (H) | I | | | |
| HISTORY | | | | | |
| A Social and Cultural History of the American South | AS.100.144.21 (HS) | II | | | |
| Household Technology and American Culture | AS.100.178.21 (HS) | II | | | |
| The French Revolution | AS.100.195.21 (HS) | II | | | |
| Gender and Society in Early Modern Europe | AS.100.201.11 (HS) | I | | | |
| Indigenous Issues Today | AS.100.227.11 (HS) | I | | | |
| At the Edges of Freedom: Liberalism and Slave Emancipation in the Western Hemisphere | AS.100.233.11 (HS) | I | | | |
| HISTORY OF ART | | | | | |
| Introduction to Public Art: Murals, Monuments, and Museums | AS.010.138.21 (H) | II | | | |
| Masterpieces of Medieval Islamic Art | AS.010.207.01 (H) | P | | | |
| Program Abroad: Art in London* | HA.010.245.31 (H) | SA | | | |
| HUMANITIES CENTER | | | | | |
| Anti-Semitism and the Christian-Jewish Relationship | AS.300.211.11 (H) | I | | | |
| Masterpieces of South American Fiction | AS.300.213.21 (H) | II | | | |
| LATIN AMERICAN STUDIES | | | | | |
| Media Representation of Violence and Poverty in Latin America | AS T361.271.01 (HS) | P | | | |
| MATHEMATICS | | | | | |
| Introduction to Calculus | AS 110.105.21 (Q) | II | | | |
| Calculus I (Biology & Social Sciences) | AS 110.106.11 (Q) | I | | | |
| Calculus II (Biology & Social Sciences) | AS 110.107.21 (Q) | II | | | |
| Calculus I (Physical Sciences & Engineering) | AS 110.108.11 (Q) | I | | | |
| Calculus I (Physical Sciences & Engineering) | AS 110.108.22 (Q) | II | | | |
| Calculus II (Physical Sciences & Engineering) | AS 110.109.21 (Q) | II | | | |
| Online Calculus II (June 20- Aug. 5) | AS 110.109.88 (Q) | III | | | |
| Linear Algebra | AS 110.201.11 (Q) | I | | | |
| Online Linear Algebra (June 20 - Aug. 5) | AS 110.201.88 (Q) | III | | | |
| Calculus III | AS 110.202.21 (Q) | II | | | |
| Online Calculus III (June 20 - Aug. 5) | AS 110.202.88 (Q) | III | | | |
| Differential Equations with Applications | AS 110.302.11 (QE) | I | | | |
| Online Differential Equations with Applications (June 20 - Aug. 5) | AS 110.302.88 (QE) | III | | | |
| MECHANICAL ENGINEERING | | | | | |
| Molecular Modeling and Simulation for Engineers* | EN 530.319.11 (E) | I | | | |
| MUSIC | | | | | |
| Western Classical Music | AS 376.231.21 (H) | II | | | |
| NEAR EASTERN STUDIES | | | | | |
| Introduction to Christianity in Late Antiquity* | AS 130.241.11 (H) | I | | | |
| Aramaic for Beginners | AS 130.242.01 | P | | | |
| The Politics of Sexuality in the Bible and the Ancient Near East* | AS 130.331.11 (H) | I | | | |
| Human Sacrifice in the Ancient Near East and Beyond* | AS 130.336.21 (H) | II | | | |
| Who Wrote the Bible? The Documentary Hypothesis in Modern Research | AS 134.300.21 (H) | II | | | |
| NEUROSCIENCE | | | | | |
| Intro. to the Nervous System | AS 080.105.21 (N) | II | | | |
| Stress and the Brain* | AS 080.301.11 (N) | I | | | |
| Nervous System I* | AS 080.305.11 (N) | I | | | |
| Nervous System II* | AS 080.306.21 (N) | II | | | |
| Diseases and Disorders of the Nervous System* | AS 080.360.11 (N) | I | | | |
| PHILOSOPHY | | | | | |
| Intro. to Philosophical Problems | AS 150.112.11 (H) | I | | | |
| Intro. to Bioethics | AS 150.219.21 (H) | II | | | |
| Intro. to Asian Philosophy | AS 150.227.21 (H) | II | | | |
| Religion and/or Science? | AS 150.229.21 (H) | II | | | |
| What is Philosophy?* | AS 150.308.11 (H) | I | | | |
| Introd. to Philosophy of Physics | AS 150.309.11 (HN) | I | | | |
| Law and Philosophy | AS 150.447.01 (H) | P | | | |
| Philosophy and Theatre: The Existential Drama* | AS.225.328.11 (HW) | I | | | |
| PHYSICS & ASTRONOMY | | | | | |
| General Physics I* | AS.171.101.11 (NE) | I | | | |
| General Physics II* | AS.171.102.21 (NE) | II | | | |
| Subatomic World | AS.171.113.21 (N) | II | | | |
| Stars & the Universe | AS.171.118.21 (N) | II | | | |
| General Physics Laboratory* | AS.173.111.11 (N) | I | | | |
| General Physics Laboratory* | AS.173.112.21 (N) | II | | | |
| POLITICAL SCIENCE | | | | | |
| The Cultural Politics of Television | AS.190.303.21 (S) | II | | | |
| Food Politics* | AS.190.405.21 (S) | II | | | |
| Watching Global Politics: International Relations Through Film | AS.191.219.21 (S) | II | | | |
| Race and Power in American Cinema | AS.191.225.11 (HS) | I | | | |
| The Politics of Gender, Marriage, and Family | AS.191.228.11 (S) | I | | | |
| Introduction to International Relations: Theory & Practice | AS 191.229.11 (S) | I | | | |
| Globalization and Development: The Clash of Civilizations or a New World Order? | AS 191.251.21 (HS) | II | | | |
| Historical Sociology in International Relations Theory | AS 191.314.11 (HS) | I | | | |
| Religion and the Law* | AS 191.395.21 (S) | II | | | |
| PROFESSIONAL COMMUNICATIONS | | | | | |
| Professional Communication for Science, Business & Industry | EN 661.110.11 (W) | I | | | |
| Oral Presentations | EN 661.150.21 (W) | II | | | |
| PSYCHOLOGICAL & BRAIN SCIENCES | | | | | |
| Childhood Disorders and Treatments (Online: May 31 - Aug. 5) | AS 200.162.87 (S) | III | | | |
| Financial Market: Winners, Losers, and Protectors' Decisions. | AS 200.330.11 (S) | I | | | |
| Counseling Psychology* | AS 200.332.01 (S) | P | | | |
| PUBLIC HEALTH STUDIES | | | | | |
| Applied Geographic Information Systems in Public Health | AS 280.222.21 (QS) | II | | | |
| Public Health, Sexual Orientation, and Gender Identity* | AS 280.230.11 (HS) | I | | | |
| Public Health in South Africa* | HA 280.325.31 (S) | SA | | | |
| Community-Based Learning in South Africa* | HA 280.326.31 (S) | SA | | | |
| THEATER ARTS & STUDIES | | | | | |
| Philosophy and Theatre: The Existential Drama* | AS.225.328.11 (HW) | I | | | |
| Creative Improvisation* | AS.225.346.11 (H) | I | | | |
| WRITING SEMINARS | | | | | |
| Introduction to Fiction and Poetry I: Telling It Straight | AS.220.105.11 (HW) | I | | | |
| Introduction to Fiction and Poetry I: Telling It Straight | AS.220.105.22 (HW) | II | | | |
| Introduction to Fiction and Poetry II | AS.220.106.11 (HW) | I | | | |
| The Problems with Myth: Mythology in 20th Century Literature | AS.220.112.21 (HW) | II | | | |
| Mitchell, Fitzgerald, and American Class Identity | AS.220.115.21 (HW) | II | | | |
| Plagues and Pandemics in Literature | AS.220.118.11 (W) | I | | | |
| Musical Theater: History and Lyrics, from Guys & Dolls to Glee | AS.220.120.21 (HW) | II | | | |
| The American Poem | AS.220.186.11 (HW) | I | | | |
| Fitzgerald's Short Stories | AS.220.195.11 (HW) | I | | | |
| Intro. to Dramatic Writing: Film | AS.220.204.11 (H) | I | | | |
| * Courses not open to pre-college students | | | | | |
| P - Pre-Session II - Term II | | | | | |
| I - Term I SA - Study Abroad | | | | | |

NEWS & FEATURES

Things I've Learned with Professor Katz: From Bell Lab to Hopkins

By **LAURA FLYNN**
Staff Writer

Professor Howard Katz, the chair of the department of materials science and engineering has wanted to be a scientist since he was a child who collected rocks as a hobby.

"My first major childhood hobby was rock collecting. I would go to a very special place near where I used to live in New Jersey," Katz said. When he was around the age of 10 years old, he would travel from his hometown in Essex County to Northern New Jersey to look at minerals and stones unique to the old mine town.

After graduating high school, Katz set his standards high.

"I went to MIT first, and I really knew I wanted to study chemistry," Professor Katz said. Even though his father was a biology professor, Katz preferred chemistry to biology due to its logic.

"Chemistry made sense, it's systematic and to me, chemistry had more logic and was easier to predict," he said.

After graduating from MIT

with stellar grades, he attended UCLA and returned to the East Coast with a Ph.D. in Organic Chemistry. For 22 of the following years, Professor Katz worked at Bell Laboratories in N.J. At Bell Lab, he conducted experiments and research, many of which focused on the optical

to the labs in the N.J. institution in which Professor Katz participated.

"I actually worked on very [the] first kindle prototype of kindle," Professor Katz said. "I had that project at Bell Lab that, using [a] kind of transistor, could switch black and white marks, yet they could not make letters yet."

Coupled with these advancements in science, Bell Laboratories began to decline as a place of research. Around when Katz was conducting his research, during the '60s and '70s, Bell Labs had established thirteen different locations in N.J. Today, only three remain.

"Opportunities were declining there, and I personally wanted to do bigger things," Professor Katz said.

The new businesses, which financially supported Bell Labs, were unable to fund the expanding and progressing research.

"I really became a material scientist in the last 15 years because more and more of what I did was physical," Professor Katz said.

As his research began to delve into the study of solid substances, such as metals, plastics and

semi-conductors, Professor Katz looked to the universities for his next career, one of which was Hopkins.

"I was attracted to [Hopkins] the moment I first came. And I am very happy to end up at Hopkins," he said. Katz loved the atmosphere of the department of materials science and engineering, and moreover the students.

"All of us in [the] materials science department want to act as mentors to the students we get to know," Katz said. He liked that the small classes, ranging from 10-20 students give students the opportunity to know the professors and easily exchange new ideas.

Current research being conducted by the department and its students deal with transistors, which are electronic devices that are responsible for the logic in modern computers.

Katz and his students are aiming to construct these transistors using different organic molecules, not silicon, which is the typical substance of the devices.

"Recently we came up with ways to make them work with less voltage and power and so that is relevant if you want to conserve energy and develop molecules," Katz said.

He feels that this research conducted at Hopkins is exact-

ly what telephone and communication companies want to see on applicants' résumés.

While the research prepares Hopkins materials science and engineering majors for internships and jobs, Katz thinks that the department can do even more.

"I am trying to emphasize certain directions, make more connections to energy and technology companies," he said.

He hopes that this will further increase the amount of opportunities and internships available.

While Katz is dedicated to the sciences and his work at

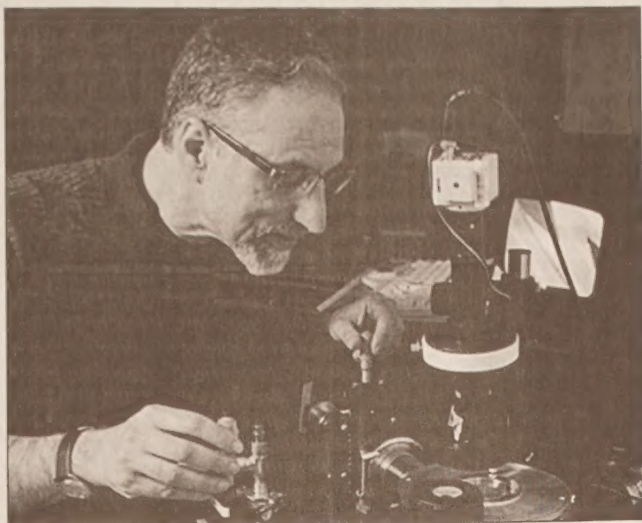
Hopkins, he emphasized the fact that professors, like students, have interests besides their jobs.

"I play cello and piano . . . started piano in kindergarten and cello in fourth grade," he said.

He explained that whenever he has writer's block or is unable to coherently put his words onto paper, he sits down to play the piano. His favorite pianists, whose music he

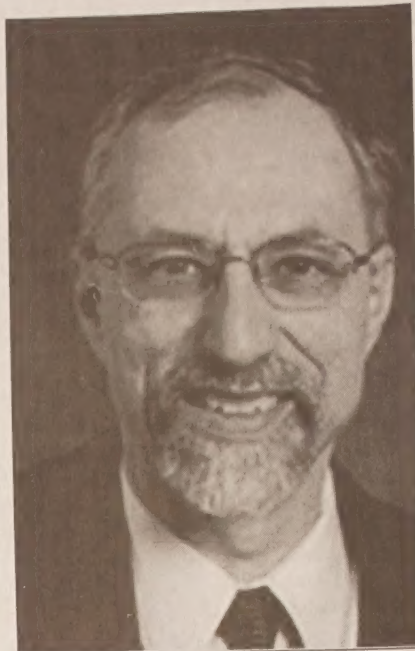
plays whenever he is in this state, are Chopin and Brahms.

"I feel it's the best combo of beauty and artistic pleasure," Katz said.



COURTESY OF HOWARD KATZ

Katz worked at Bell Lab where he discovered a new kind of organic material.



COURTESY OF HOWARD KATZ

Katz, besides teaching, plays the cello and the piano.

Hopkins In 300 Words

Bradford Apartments, Tuesday, 5 p.m.

By **RIAN DAWSON**
Magazine Editor

Outside Bradford Hall, there is a stoop. Some of the stairs, especially to the right of the railing that bisects it, are worn to the point of depression; instead of a level surface, there is a divot.

The left hand door doesn't open, and sometimes, residents and non-residents — like the dark-haired man in the olive-colored jacket who just walked past me up the stairs — will tug, see it doesn't open, and then reach for the right. The Bradford Stoop is also a social spot, a gathering place for the smokers of the building.

Right now, there is a man in a black windbreaker smoking a cigarette like James Dean; his hand curls around the cigarette and he pinches it between his thumb and pointer finger. He's standing off to the side. Another person, a woman with dark hair and a colorful skirt, sits facing 33rd Street and smokes with dainty precision. Her cigarette rests between her pointer finger and middle finger. Every so often, she blows smoke rings.

From the stoop, you can also see the JHMI (some people pronounce it Jimmy) shuttle stop. The crowd grows, and then when the shuttle pulls to the curb, waits and then pulls away, there is no one left. Like right now. Because it is "rush hour" this cycle happens more often.

Just now, as the shuttle is get-



COURTESY OF RIAN DAWSON

During rush hour, many people wait outside Bradford Hall for the shuttle.

ting ready to pull away, a Bradford resident runs out, waving her hands and screaming for the shuttle to "wait, wait, wait!" She dashes across the street, despite the fact that the traffic light is green. Somehow, she gets on the shuttle.

Despite the brief moments of raucous, it remains relatively quiet and peaceful. Except for the occasional concert of squeaky breaks and blaring horns that permeate the air. This is city living.



CAROLYN HAN/PHOTOGRAPHY EDITOR

The night featured traditional Filipino dances, such one done while balancing drinking glasses and one done with bamboo poles.

Filipino students host annual culture night

By **GRACE YEON**
Staff Writer

The Filipino Students Association (FSA) hosted its annual Filipino Culture Night in the Glass Pavilion last Saturday.

The aim of the event was to raise awareness of Filipino Culture at Hopkins.

The program included traditional Filipino dances, such as Binasuan (dancing while balancing drinking glasses), Tinikling (dancing with bamboo poles) and Sayaw Sa Bangko (a Filipino bench dance).

Other groups that performed were the Chinese Lion Dance Group, SLAM! and the Breakdancing Group.

FSA also performs at other events, such as the Culture Show, but this was a chance for the organization to solely highlight the culture of their student body.

"We want to highlight the best things about Filipino culture so we have one big event. We showcase great food and great dances. . . I feel like this culture night was a good way for people to know more about our culture since we're such a tiny group," Angela Aherrera, president of the Filipino Students Association, said.

The Filipino culture at Hopkins is not mainstream, according to Aherrera.

"Not too many people know about it. I guess the only thing they know about it is Tinikling, the bamboo stick dance, and lumpia, the spring rolls. That's pretty much all they remember."

Freshman Natasha Senn, who attended the event for the first time, thought that she gained more insight into the dances of the Filipino culture.

"Mostly it was interesting to

learn about the different types of dancing they have in their culture like the bench dance. I had never seen or heard of it before. The bamboo pole dance I had seen before but I never knew where it originated from," Senn said.

Such a large scale event was difficult to organize with a membership of only about 20 people.

"There are very few Filipinos. Very few active members as well. So this whole event really took a lot of people pulling strings and getting more people to join, and not necessarily only Filipino people," Aherrera said.

Getting the money to put on the event was the first obstacle facing the group; finding transportation to bring supplies was the second. Hopkins allows student groups to get reimbursed for their efforts but it was a slow-going process, according to Aherrera.

The group also had to construct the benches used in the bench dance themselves. Coordinating dance practices was also difficult because of all the schedule conflicts of the dancers. Reserving other dance groups to perform also had to be done well in advance — some were booked as long ago as Feb.

This year, the group chose not to have the event catered, meaning that group members had to spread the word to bring food via word-of-mouth. The money was spent instead on decorations like banana leaf place mats and decorated centerpieces; a crucial buy was that of a lechon — a whole roasted pig.

Despite the decision not to cater, the students found that the food this year was actually better than any other year.

"The food was by far better than any other year and the entertainment was a lot better too," Verduzco said.

Despite some programming hiccups, Cecilia Higgs, a senior majoring in public health, thoroughly enjoyed the event.

"I think everything was organized. They had enough food for everyone surprisingly. Everything seemed to be organized and put on well," Higgs said.

Senn, who is a quarter Chinese, Indonesian, British and Swiss came to the event because she enjoys Asian culture and food.

"The beginning was a little slow to start but that's happened to events that I've helped organize as well so I think that's just sort of getting everyone on the same page of what performers are starting their performances, but other than that, it was really good," Senn said.

Aherrera transferred here from Boston University where there were about 70 members in its respective FSA.

Even though there are fewer Filipinos at Hopkins, Aherrera said that she still feels like Filipinos are adequately represented on campus.

Aherrera also feels like the administration could do more to improve the culture here at Hopkins by having a more evenly distributed number of ethnicities here.

About 21 percent of the undergraduate population at Hopkins is Asian, but Aherrera feels like having more of other ethnicities would increase the cultural diversity at Hopkins.

"I feel like it would have been better if there were more," Aherrera said.

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Ayaan Hirsi Ali speaks at FAS event

FROM FAS, PAGE A1
even though the girl was featured on the cover of *Time Magazine*.

Given the dynamic nature of macro cultural relations and the human rights abuses that these individuals committed, Hirsi Ali implored Muslim individuals to ask questions about their religion and culture.

"When I was a child I did have questions, but I was scared, terrified, that if I asked some of the questions I had in my head something wrong was going to happen," she said, adding that her fear stemmed from fear of reprisal from her family and fear of eternal damnation.

Hirsi Ali argued that a process of critical self-reflection is what makes Western culture valuable. "What I admire the most about the West is that history is there for us to see, inside us and outside us; the ability for a society to develop a culture that asks questions about its past . . . The ability for a society to reflect on its history and the things that went wrong," she said. According to her, this critical inquiry allows for Western societies to correct their injustices.

Ultimately, Hirsi Ali condemned Sharia law for providing a framework that makes submission and mutilation permissible and for silencing individual voices.

She put the onus on Muslims to speak out against human rights abuses that she feels are inspired by their religious doctrine. In the end, these individuals need to face the inherent

conflict between sharia law and human rights.

Tensions clearly arose during the question and answer period. One student asked, "The atrocities you describe . . . how much do you contribute to interpretation of the Quran; how much do you attribute to a lack of education?"

It was evident that some Muslim students in the crowd took issue with Hirsi Ali's conflation of political, cultural and religious

quiet on April 15, 2011.

While some students felt that Hirsi Ali simplified a very intricate issue, many individuals in the audience found Hirsi Ali's beliefs reasonable, even inspirational.

At times, Hirsi Ali's rhetoric inspired rounds of loud clapping; several audience members gave her a standing ovation upon the conclusion of her speech.

Senior Harry Black noted he did not find the speech offensive: "[I thought she] did a good job of getting the crowd engaged in the idea of cultural dialogue and finding a reasonable ground within religious beliefs."

Other students did not find Hirsi Ali's speech to be reasonable.

Several students cited moments in her speech that they found to be offensive or that made them uncomfortable.

In particular, Khurram Ali challenged Hirsi Ali's assumption that he does not question his faith. "To suggest that's it's because of the God that I believe in or the practices that I hold that I'm not criticizing who I am . . . that offended me; that was insulting."

In addition, these students did not believe that the speech would foster productive dialogue.

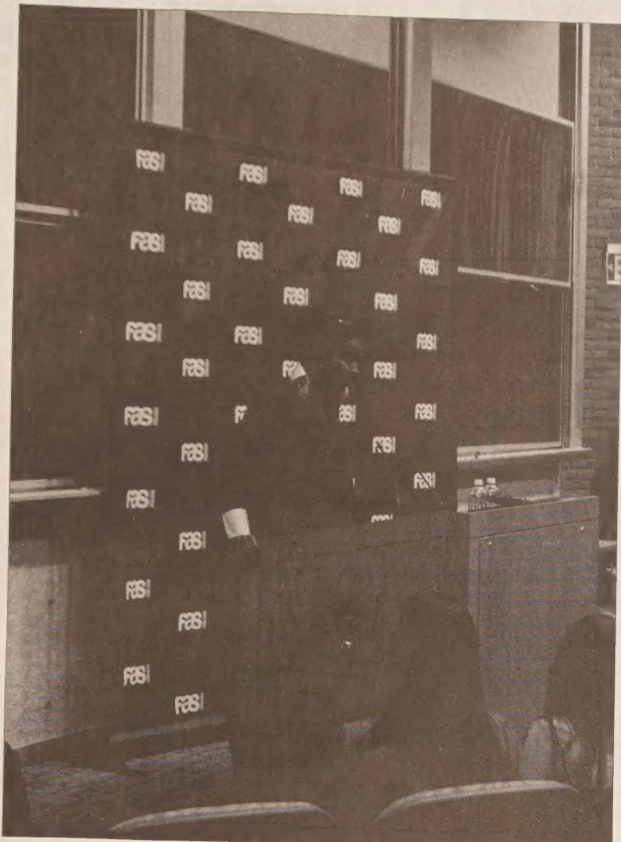
"I agree with her that we should be asking more questions, but I don't think that we're asking the right questions," Syed said.

The doctrine proposed by Ms. Hirsi Ali is one of constantly questioning yourself and your faith.

"I think the point she was trying to make was that people can take very fundamentalist or radical views within Islam and that there's a way of still keeping your faith [while] purging those radical views from it," Black said.

Hirsi Ali was clear in her answers to these questions.

"[Asking questions] may put you in the position of disagreeing with the Prophet, but that is your choice," she said.



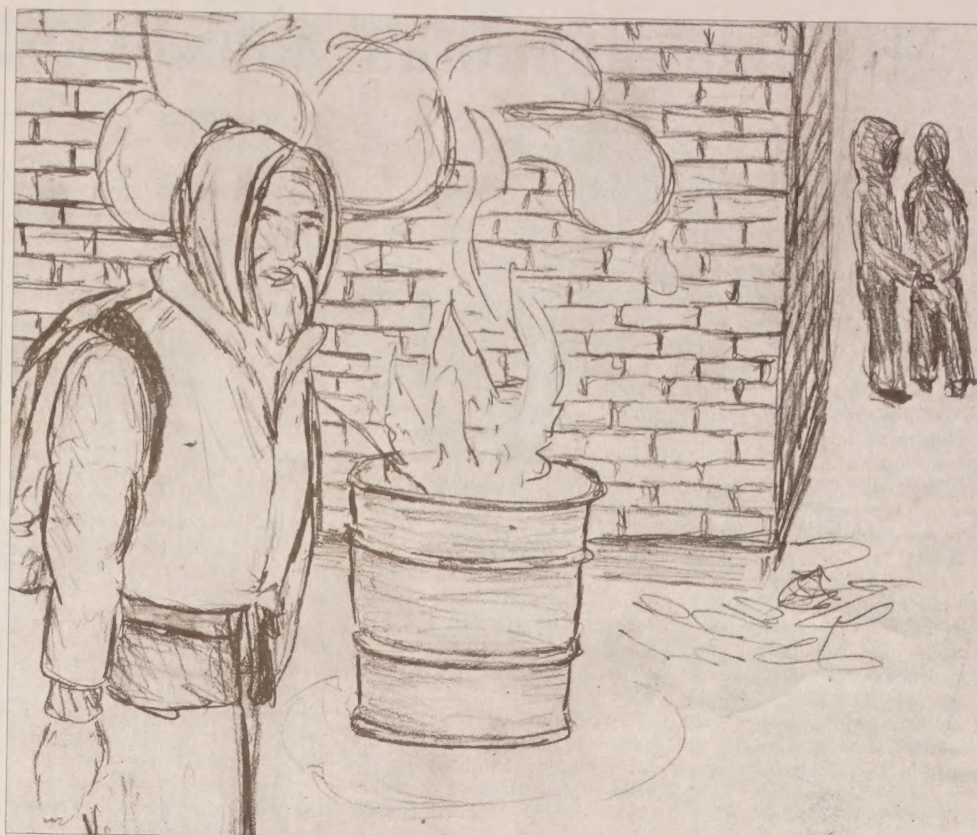
COURTESY OF JIAYI WANG

Ayaan Hirsi Ali spoke about how one should question the Muslim faith.

"Asking questions may put you in the position of disagreeing with the Prophet, but that is your choice."

**AYAAN HIRSI ALI,
ACTIVIST FOR MUSLIM
WOMEN**

To offer a different viewpoint on the relationship between Islam and the West, the Muslim Students Association is featuring noted Oxford professor Dr. Tariq Ramadan at its annual Spring Ban-



ANNE FABER/GRAPHICS EDITOR

Baltimore ranked 11th most dangerous city

By VICKY PLESTIS
Staff Writer

Baltimore was ranked the 11th most dangerous city in the United States according to the 2010-2011 City Crime Rankings report published by the CQ Press on Nov. 21 this past year.

The report, which evaluated incidents of murder, rape, robbery, aggravated assault, burglary and motor vehicle theft throughout 400 cities, listed Baltimore's crime index as 339, which was substantially over the national average of 100.

Yet despite its high crime index, Baltimore has actually experienced a decrease in crime recently.

"The past couple of years with Commissioner [Frederick] Bealefeld we've actually seen a drop in crime. We're at a near 20-year low," Detective Donny Moses of the Baltimore Police Public Affairs Office said.

The most recent FBI Uniform Crime Report released in 2009 saw a 4.6 percent decrease in total crime in Baltimore for that year.

This reflects, among other factors, a drop in both the amount of violent crimes and motor vehicle thefts reported in 2009, from 4,931 to 4,555 and 2,940 to 2,443, respectively.

Similarly, reported homicides have dropped consistently over

the last four years from 282 in 2007 down to 223 in 2010.

Despite the overall decrease in crime, some Hopkins students still feel uncomfortable in Baltimore depending on both the area of the city and the time of day.

"My brother lives in Hampden and I rarely go see him because I don't really feel safe walking through [Wyman] park at night," freshman Audrey Zeldin said.

Because of this fear, many Hopkins students stay confined to the Homewood area where Campus Safety and Security concentrates their service.

According to the Johns Hopkins 2009 Annual Security Report, there are among other things 113 campus emergency phones, an escort van service, and 61 special police officers on various on and off-campus locations including North Charles Street, Saint Paul Street, University Parkway and Charles Village.

Yet crime still does occur at Hopkins.

As recently as March 19th, a Hopkins senior was confronted by an armed suspect as she was entering a private apartment building.

Hopkins students that do leave Homewood explore the more commercial areas

of Baltimore.

"I've never felt unsafe in Baltimore — well, at Hopkins," freshman Bridget Harkness said.

"I mean, I've been around Fells Point, the Inner Harbor, Towson, places like that."

Yet although students only travel through parts of the city, Moses contends that crime is not concentrated in any one particular part of the city.

"[Crime] is pretty widespread between east and west, north and south," Moses said.

The Baltimore Police Department has made several initiatives over the past couple of years to limit crime throughout the entire city, particularly focusing on gun control and drug abuse.

In 2009 alone, Baltimore police recovered or seized 92 guns and made 204 gun arrests.

Two additional major priorities for the Baltimore Police Department, according to Moses, have been on routine offenders and the growing problem of recidivism.

"We're focusing all of our attention on violent and routine offenders," he said.

"By going after that specific group it actually helps us lower the violent crime rate in Baltimore. Gun carriers, aggravated assaults — a lot of those offenders are repeat offenders."

Man on the Street

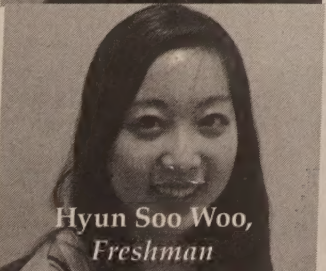
SGA ELECTIONS:

What are you looking for in the candidates that are running for office in the upcoming SGA executive board elections?



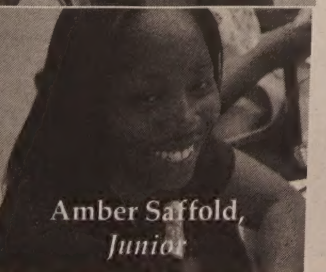
Hannah Miller,
Sophomore

"[The candidate that sends] the least annoying Facebook event invite gets my vote. I don't see SGA's name on a lot of things so I don't really know what they do."



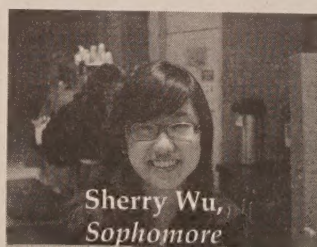
Hyun Soo Woo,
Freshman

"I like [candidates that are] proactive. When they ask for your opinions, and it seems like they care. I've personally had a good experience with Hyun Sik Kim [current freshman senator], so I'd be looking for a candidate like him."



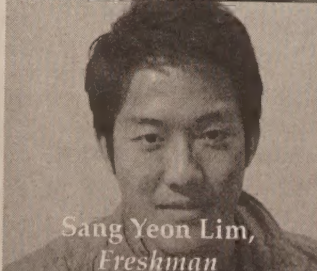
Amber Saffold,
Junior

"I think that there should be more common room in the Brody Learning Commons [that is currently under construction]. Any candidate that proposes that would likely have my vote."



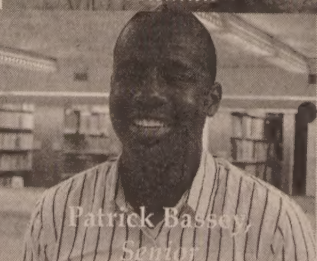
Sherry Wu,
Sophomore

"[I look for] a diversity of candidates that would holistically represent the student population. [I also look for] what they've done in the past regarding their accomplishments in the SGA and whether or not they have innovative, but realistic plans for the future."



Sang Yeon Lim,
Freshman

"I will vote for candidates that propose real ways to communicate with the student body. No matter what good ideas they have, they need to really have the students in the loop so that it can be a cooperative, constructive process instead of a top-down one. That's how you build community."



Patrick Bassey,
Senior

"[I look for] more focus on community [in the candidates]. Candidates that integrate everyone into more of a community and make a more harmonious campus will win my favor."

NEWS & FEATURES

Arts Innovation Grant aims to foster creativity in Hopkins students

FROM ARTS GRANT, PAGE A1
has brought new students into our classes. I think it has also enriched the experience of Hopkins students who aren't necessarily inclined toward the visual arts... it gives students an opportunity to take classes that wouldn't be offered otherwise," Hankin said.

The intent of the student grants also incorporates its main vision of strengthening the arts and cultural experience of undergraduates, as noted by the same announcement, but through curricular activities with more of an emphasis on involving Baltimore communities through these activities.

Furman will use his funds to develop curated musical exhibitions that will highlight Baltimore musicians and take place on the Homewood campus free of charge.

Delman and Litwin will be receiving a grant to publish *The Bohemian Monthly Magazine*, a magazine that bridges the gap between the Hopkins and Baltimore art communities and incorporates both into its bi-monthly publications.

The mission of the magazine is to promote the arts within Baltimore and Hopkins, and

focus on Baltimore's emerging and ever-growing art scene in an effort to rid Baltimore of its often negative reputation as well as to rid Hopkins of its "ivory-tower," unapproachable reputation. The grants will assist in allowing the magazine to achieve its mission.

"*The Bohemian* serves to change these perceptions by providing opportunities for Hopkins students to seek out, interact with and learn from inspirational members of the greater Baltimore community," co-Editor-in-Chief senior Payal Patnaik wrote in an e-mail to *The News-Letter*.

The Bohemian requires extra work and word-of-mouth dialogue to educate oneself in areas such as graphic design, a skill required for the production of the magazine, and knowledge of the Baltimore art scene.

"We have the resources to make a professional product, but we as Hopkins students have to grow and learn from ourselves while seeking mentorship from other resources across the city and through the people we know... The arts opportunities at Hopkins are more of a do-it-yourself type," Patnaik wrote.

That is the case for many art courses at Hopkins, according to Hankin. Art workshop students often comment on the extensive waitlists and lack of classes especially upper level classes; Hankin mentioned that he often hears of seniors trying to get into classes for three or four semesters.

"It's great that there is such a demand, but it makes me feel awful that people keep trying and they can't get in because the classes are filled and we don't have the budget yet to hire more faculty and offer more sections, but hopefully that will change in the future... we would be happy to accommodate them; all we need is the money," Hankin said.

Art Workshops' Photography Professor Phyllis Berger agreed that more full-time instructors as well as more advanced courses are needed and that more gallery space is also necessary, a point that Hankin also mentioned.

"We have a tremendously talented student body who deserves to have their work shown in a well-lit gallery that is dedicated to visual art," Berger wrote in an e-mail to *The News-Letter*.

Hankin not only hoped for more to be done for the regularly offered courses at Hopkins, but also emphasized the importance of the grants for the state and growth of Hopkins art community.

"The Arts Innovation Grants were the first building block for the expansion of the arts on campus in the modern age," Hankin said.

Berger offered a personal experience concerning the benefits of the grants, as she has received three of them in the past. They have allowed her to offer courses in collaboration with three other professors that wouldn't have been formed without the grants, as well as the resources necessary to build the camera collection utilized by her photography students.

"Working with [other] professors... has certainly made me a better instructor and the grants have generated enthusiasm for our classes across the JHU com-



ANNE FABER/GRAPHICS EDITOR

munity," Berger wrote.

Tabb added that there were many artistic activities going on at Hopkins before the Arts Innovation Grants, but that the mission of the Arts Innovation Grants was to support new activities, not ongoing activities. Furthermore, money had not been allocated specifically for the arts in this way before.

"[The Arts Innovation Grants] created the first instance in

which money was going toward the arts in a centralized way," Tabb said.

Hankin considers the Arts Innovation Grants a major improvement for the financially starved Hopkins art community.

"A year or two ago I would have given you a really different answer... [but] This is one of the best times for arts at Hopkins," Hankin said.

New center for German thought to facilitate new minor, new internships

University of Bonn President Jurgen Fohrman speaks at Hopkins to formally present the Max Kade Center for German Thought

FROM GERMAN, PAGE A1
comments from Dean of the Krieger School of Arts and Sciences Katherine Newman and Fohrman's lecture, "Is there a Modern German Thought? Reflections on the History of the University and a German Intellectual Tradition," which charted the course of German thought since the formation of the country in the late 19th century, as well as a reception featuring a selection of traditional

German food.

"The event was a huge success," Associate Professor of German and co-director of MK-CMGT Elisabeth Strowich said. "There was a huge turnout from various disciplines: undergrads, grad students, faculty members."

Freshman Nick Geersh attended the inauguration because he is involved in German culture on campus.

"As a student who is taking

German I thought it was an interesting opportunity to hear about German educational institutions," he said.

Hopkins has a strong bond with German culture: it was one of the first universities in the United States to be founded in the German style of emphasizing research while simultaneously teaching students.

Among the members of the crowd were German embassy officials and President

of The Max Kade Foundation Lyn Friedrich Pfeifer, who was awarded a framed photograph of the professorial staff of Hopkins in the early 20th century, a third of whom were educated in Germany.

Kade emigrated from Germany to N.Y. in 1904, where he made his fortune through the development and sale of the cough syrup, Pertussin. His wife and he founded the Max Kade Foundation in 1944 in or-

der to rescue works of art and protect objects of German cultural relevance; since then, the foundation's mission has shifted to promoting a mutual understanding between Germans and Americans.

There are Max Kade houses in roughly 30 locations in the United States and 17 in Germany; all of which, according to Pfeifer, are unique and are not formed according to a formula.

"No two houses are exactly

alike," she said. "They're all constructed on a case by case basis and to suit their various universities."

The courses beginning next fall represent the first act of the Max Kade house at Hopkins.

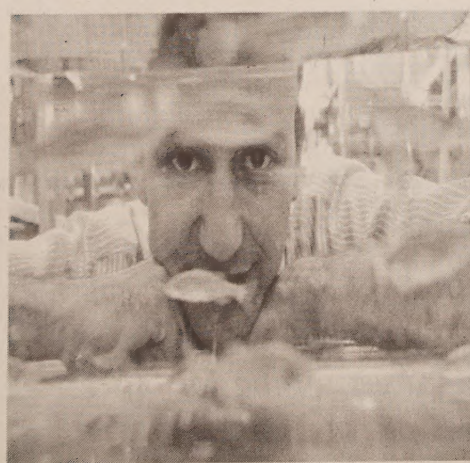
"I'm thinking about taking a course," Geersh said.

"I'm really excited to see what courses and what seminars are going to come to the school over the next couple years."

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How science outreach impacts urban science education: Project BioEYES inspires the next generation of scientists?

SYNOPSIS: Scientific outreach can positively impact education and can help to bridge the achievement gap in our nation's schools. It can serve disadvantaged populations and schools that are typically under-resourced in science education. Outreach also has the potential to diversify the scientific community and to educate teachers, many of whom have minimal training in science education. Dr. Farber will illustrate how one such program, BioEYES, successfully accomplishes these goals. BioEYES is a K-12 science outreach education program that provides outdoor and in-class, hands-on learning opportunities through the use of live zebrafish. BioEYES engages students in experiments based on biology curriculum standards in cell biology and animal development, and explores scientific careers. Lecture attendees will also get a chance to see live zebrafish to appreciate firsthand the power of this model system.

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NEWS & FEATURES

Smart eating and working out takes dedication

As spring semester of 2011 winds down, some of us will plan to spend the summer months improving our physical fitness while some of us will inevitably fall out of shape. The purpose of this fitness column is to educate and hopefully inspire readers to follow more healthy lifestyles and maybe even take their training to the next level. In this column, I would like to look at and debunk some nutritional myths, foods to eat and avoid, followed by exercise routines. Today we will look at some foods and why they are good for anyone, gym rat or not, followed by a brief overview of weight training and cardio.

We'll start easy. This week's burn fat is all in the diet. What could be easier than eating to promote shredding fat?

#1) Eat fat to burn fat — This may seem like the wrong approach or even counterproductive but one common misconception in amateur-designed diets is the elimination of fats and fatty foods. No matter how overweight you are, your body needs oils to promote growth and perform regular functions.

Now and then, we hear about how omega-3 is stressed as an important part of someone's diet

... as they should be. Omega-3's fatty acids serve as hormone-like compounds and are used in cell-wall formation, giving it the flexibility to improve circulation and oxygen uptake in red blood cells. Flax seeds have some of the highest omega-3 content so

small throughout the day, reach for the trail mix or anything in the neighborhood of mixed nuts. People avoid nuts for their high fat content, but they fail to recognize that these are mono-unsaturated fats which reduce cholesterol levels and maintain

ordinary role in the body.

Smart eating and working out go hand-in-hand. After falling into a stable diet, the next step is to put that food to good use by exercising to create a leaner, more toned body that not only looks good on the beach but ultimately

gives a person confidence, a healthier body and a sounder mind. For today, we will go over the general ideas of weight training and cardio. Personally, I don't believe the point is to bench as much as you can and call it quits. I also don't believe the point is to run 10 miles, have your lungs collapse and call it quits. Healthy exercising requires a delicate balance of on- and off-days, weight lifting, plyometrics, calisthenics, resistance training, interval training and a planned but varied mixture of workouts.

The general idea behind weight training is to build bigger and stronger muscles. And while that may not be the goal for everyone, only with years of purpose-based training will your muscles become freakishly big. So for the girls worrying that their arms will become too ripped: they won't unless you're lifting with 50 Cent three days a week and chugging protein shakes twice a day. Weight training not only builds bigger muscles but any form of resistance training will cause bones to be stronger, and speed up metabolism and fat burn to a certain extent since, in order to lift the weight, a more-than-usual amount of energy must be exerted.

There are different times throughout the day for doing cardio but for more logistical purposes, if you're at the gym, do your running after the weight room. If you were able to work up any sort of sweat in the weight room or doing abs on the mats, your body will have been spending energy from the food you ate that day to fuel the resistance training. Hitting the track or treadmill right after means that the body will access fat deposits to fuel the cardio you engage in. Depending on how hard you go, even a modest 20 minutes will burn more calories post-resistance training than someone who does 30 minutes of jogging as the only form of exercise that day.

Of course any real results take time and dedication. One week of eating greens and lean meat might make you feel better but simply won't cut it. The combination of eating and exercising right may be a hard cycle to start, but stay motivated, and slowly, with some effort you will begin to transform your body.



ANNE FABER/GRAPHICS EDITOR

Yang Bai Guest Fitness Columnist

if you don't have access to fish, get a bottle of flaxseed pills because they will be a natural and worthy supplement to invest in. Fish oil, salmon, sardines canola oil, olive oil and peanut oil are all forms of fat that should and ought to be incorporated into your diet. In the long run, a no-fat diet can do more harm than good. Just make sure you don't go overboard.

#2) Nuts — If you ever feel the need to munch on something

proper levels of HDL (high-density lipoproteins). Nuts not only contain good fats but are also an excellent source of protein at the same time. Almonds have calcium and magnesium for building strong bones, walnuts have potassium, magnesium and vitamin A, pecans are high in fiber and have oleic acid and almost all nuts have B vitamins which give energy and help speed up metabolism. Simply put, although cashews, peanuts, soy and the nuts listed above seem ordinary, the vitamins and minerals they contain play more than just an



ANNE FABER/GRAPHICS EDITOR

European spring fashion bohemian, inspirational

Over Spring Break, my family and I traveled to Spain, where I found inspiration for this latest column. Everyone knows that the Europeans are naturally fashionable, so I thought I would share some of the valuable new trends I observed.

The number one staple for European women this season seems to be over-the-knee boots. You see them occasionally in America, but in Spain, it is a must have item. I can honestly say, without any exaggeration, that at least half of the women I saw were wearing them. There are different types too—there are those that just cover the knee, and those that go all the way up to the lower thigh. I do not recommend this look for short people like me—it swallows up your legs and makes you look shorter—but it's a great look for tall girls.

The women who weren't wearing over-the-knee boots were wearing heels. In Europe, heels are appropriate for every occasion from a romantic dinner to a day of sightseeing while walking on cobblestone for hours on end. I've begun to think that Europeans don't feel pain.

Another look that I saw quite a bit was girls wearing shorts with stockings. This is not necessarily a "new" phenomenon, and you can see girls in America dressed like this (but usually only they very trendy ones). In Europe, everybody does it! While waiting in line to get access to the Alhambra in Granada, I spent a good bit of time analyzing the shorts of the girl in front of me. They were brown and made of

corduroy. Yes, corduroy shorts. At first I was very perplexed as to why anyone would make, let alone buy such an item of clothing, but then I realized—they were meant to be worn in cold weather with stockings! Never before had I encountered a piece of clothing meant to be paired with another to create a look—those crazy Europeans!

I also observed that European women (or at least the Spanish) seem very unwilling to give up their winter wear—it was 60 degrees and everyone was still wearing their winter coats! They were of course very fashionable coats though—I particularly liked the ones that flow out at the bottom to look like dresses—paired with tight pants this look is super cute.

Another look that Europeans (and American hipsters) pull off well is the oversized t-shirt and scarf look. Just take a funky tee with words on it, pair it with a fun scarf, ripped skinny jeans and combat boots and you've got a great look!

The more bohemian Europeans are obsessed with harem pants. If you go to hippy strongholds like Granada in Southern Spain, you will see them everywhere—in shops and on people. They give off that vibe that says, "I love organic food and being unemployed (a big problem for people under 30 for whom there is 40% unemployment) and I just love life in general". I wanted to buy a pair, but again, it's a look that short people really can't pull off.

No matter what kind of look you are going for, the Europeans have a stylish answer for you.



Carter Banker
International
Trendspotter

Centro Tapas Bar comes with creative cuisine

Tucked away in the heart of Fed Hill is the one-year old Centro Tapas Bar. Centro is without a doubt a top-five eatery in Baltimore. If you like to dabble in all sorts of creatively composed cuisine, this is the place for you.

There are not more than eight tables in the restaurant. Upon walking in, one is immediately struck by devilishly intriguing scents coming from the exposed kitchen in front of the entrance. Dinner takes place in an adjoining room. A bar is also situated in this room, seating up to four diners on stainless steel bar stools. The dining room is starkly decorated. It has minimalist artwork, a neutrally colored composition and boasts a mixture of private and more communal-esque tables.

As per usual, I dined with my committed food-crawl partner. As mentioned in previous columns, she is a borderline professional eater. Something else we have in common? We rarely like to order entrées. Instead, we usually opt for two appetizers. This typically allows for more noticeably detailed fare, room for dessert, and a less financially menacing check. As I alluded to in my column about Mezze, I would rather have a Zucchini Fritter, a taste of Spinach Pie and a couple tablespoons of Tzatziki than a salad and steak. What is better than tasting multiple and vary-

ing dishes?

This is the beauty of Tapas. There are no entrées. Every dish on the menu, hot and cold, is conceived and presented with the intention that each diner is going to order three to four small dishes as opposed to one large one. The portions get smaller and the dishes more flavorful. The chefs are forced to a pinnacle of creativity since each dish is the same size. There is no room to lag behind.

We started with a Charcuterie; three meats, two cheeses. My favorite meat was the Soppressata, a form of Italian salami. It was the perfect amalgam of spice and tenderness. The key was how thinly and delicately the meat was sliced. It was the perfect amuse bouche to get the

meal going. The overall favorite cheese of the table was a goat's milk cheese-tart. To fully enjoy the Charcuterie we wrapped each cheese in each meat. This gives way to an unprecedented amount of flavor. A citrus palette cleanser is served for each diner.

The Lobster Croquettes with Truffle Oil Aioli arrived next. These were so good we ended up ordering a second round. Diced lobster meat is battered and fried in a bite-sized ball. A dollop of Truffle Oil Aioli is situated underneath and directly on top of each ball. Whereas one might expect a restaurant to skimp on fresh lobster meat, particularly in something that is deep fried, this

was not the case. I was pleasantly surprised by the undeniable taste of fresh lobster in each bite. The Truffle Oil Aioli adds a buttery, truffle-y smoothness. This contrasts against each crunchy, fish-filled croquette. These were truly divine. Four come in an order, so prepare accordingly upon ordering.

Next came the Baked Goat Cheese. Plated on a scorching skillet, the goat cheese was bathed in a smoky, peppery tomato sauce that tasted as if it had been made on a wood-fire stove. The dish would have benefited from less pepper. The inordinate amount of pepper masked the inherently tart goat cheese to an uncomfortable degree. Allowing the natural flavors of tomato and goat's milk to shine through would be beneficial to the dish.

Second only to the Lobster Croquettes was the Seafood Paella. The dish can be ordered in a small or large portion. We opted for the small to save room for more. This dish, too, arrived in a sizzling metal skillet. Hand-cooked rice was practically bubbling in a seasoned tomato sauce when it arrived at the table. Prawns, mussels and clams sat atop the dish. It was impressively flavorful. The fish accented the seasoned tomato in an inventive way. There was also more than enough rice in the small portion for two people to share.

Once the wait staff found out I was writing this column, they immediately sent over a free dessert. A bowl containing four to five Churros, deep-fried strips of dough covered in sugar and cinnamon, arrived at the table. There was a chilled chocolate sauce served on the side. I am not personally a fan of Churros, but I was assured that these were top-notch.

Our server could not have been more knowledgeable and accommodating. He was impressively informed, on every item, particularly the meat and cheese options in the Charcuterie. It also did not hurt that he made an on-the-spot champagne recommendation (a delightfully bubbly rose) and suggested the White Sangria to welcome the beginning of spring (second to none) to the over-21 diner. Watch your alcohol consumption, and Centro is sure to be affordable, delicious and the best under-the-radar Tapas powerhouse.



COURTESY OF GOURMETTRAVELER.COM

Lobster Croquettes are one of the many delicious options at Centro Tapas Bar.

Spring is the time to explore the outdoors

It seems like Hopkins's social life is conducive to relationships: almost all of my friends are in one, getting over one or trying to

find a new one. Could it be that the less than ideal social life has created a halfway decent dating scene? If so, this is actually a great thing if you've found the right person. And for those of you who have already found the right person, spring is the perfect time to get out and explore Baltimore and D.C.

My advice is to find whatever excuse possible to go out. Hop on a \$7 MARC train and see the Cherry Blossom Festival and explore D.C. It's a 45-minute train ride, so you can go on a whim and grab some great food and drink any weekday. The Metro system is phenomenal and you can explore almost anywhere in the city without getting a cab. If you're over 21 there are some great bars and clubs, which have a distinctly different feel than Fell's Point or Federal Hill. There are so many different types of bars and clubs that you're almost guaranteed to find your niche if

you look long enough.

If Baltimore nightlife isn't doing it for you, try D.C.'s. No matter what you do, D.C. is a great way to get a break from Hopkins and



Mike McKenna
Thinking Outside the
Bedroom

spend a day with friends or someone you like. Plus, it's so close and cheap that going for an afternoon isn't a big pressure-filled ordeal like other trips might be.

If you feel like getting out but want to stay in Baltimore, then hop on the Light Rail and check out an Orioles game on student Fridays. The seats aren't great but tickets are only six dollars and it's completely worth it just for the people watching. Last time I went, a former SGA president mistakenly got punched in the face by a Yankees fan and there's even a YouTube video of it: completely worth the six dollars. Even if the Orioles are in dead last place, I would still go just for something to do on a slow Friday night. A baseball game isn't the most romantic date, so

bring some friends along (maybe even our current SGA president to see if he gets punched in the face) and enjoy downtown Baltimore.

For everyone that isn't in a relationship it's still worth getting a few friends together and exploring Baltimore. Every spring, local markets start bringing in crabs by the bushels and making delicious and cheap food right in front of you. Find a friend with a car, pack in as many people as possible and eat until you can't possibly move. It's a great time and an even better way to see the different parts of Baltimore.

To be honest, it doesn't matter what you do as long as you do something. You've basically been hibernating all winter underneath those five layers and spring is the chance to finally get out and have some fun around Baltimore. If you're in a relationship, then spring's the perfect time to spend a day together outside of Charles Village. If you're single, spring provides so many opportunities to invite whomever you're interested in for a fun night out to get to know each other and see if you're actually interested in each other. Good luck.

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Editorials

Endorsements for SGA executive board

The *News-Letter* Editorial Board makes endorsements after reviewing the platforms of each candidate running for the SGA Executive Board and interviewing the candidates. Endorsement was ultimately given to the candidates who demonstrated the most solid and broad understanding of the issues, both standard and obscure, that SGA is reasonably able to influence.

SGA President: Ardi Mendoza

The *News-Letter* takes great care in deciding which presidential candidate to endorse. The SGA president's role is to lead the executive board through all of its decisions and to be the spokesperson for the student body. This year's SGA president was Mark Dirzulaitis, and though *The News-Letter* acknowledges his efforts, the Editorial Board feels that greater efficiency in terms of passing bills and legislation is necessary in order for the executive board to be effective.

While *The News-Letter* feels that there were flaws and weaknesses in both of the candidates, the Board agreed that both demonstrated skills that would make them highly competent for the position. Both candidates have dedicated themselves to the betterment of this campus and presented meaningful ideas in their campaigns for the future of Hopkins that we hope to see come to fruition.

Junior Kirk Sabnani's central campaign issue is transparency, and he has stressed initiatives to make the SGA a more accessible group on campus to the general student body. Though he has only been part of the SGA for a year, it is clear that his impact on the group has been far-reaching, as he has spear-headed a number of initiatives and taken part in a number of committees during his term.

His campaign puts an emphasis on creating a series of student service databases, such as a course syllabus and professor database. Though Sabnani, as a Computer Science major, is certainly well-qualified for this task and has in fact already proved himself in this area through the creation of an off-campus housing database, *The News-Letter* feels that he does not have a solid plan to effectively implement his ideas for the student body.

Sabnani also stressed the importance of improving communication between the SGA and the general student body, and though this is an admirable goal, his suggestions for improving this communication — such as holding events in more public areas — do not necessarily differ from SGA's current outreach activities.

Overall, *The News-Letter* feels that though Sabnani's campaign is ambitious, it is vague and lacks implementation strategies.

As the current Junior class president, Ardi Mendoza comes to the election with far more experience than does Sabnani. Mendoza also brings with him a greater breadth of knowledge concerning SGA protocol. Though *The News-Letter* acknowledges that experience on its own should not be the deciding factor in giving our endorsement, we ultimately felt that Mendoza's campaign, though less far-reaching than Sabnani's, had a more comprehensive and focused plan in terms of addressing specific issues on campus. His campaign presented itself in an organized manner of four points, and it offered definitive ways in which it would implement its suggestions.

Though the Board was disappointed that neither Mendoza nor Sabnani directly addressed a central issue on campus this year — that of pedestrian safety around campus — Mendoza's platform offered more concrete solutions to overarching campus security concerns, such as improving lighting on certain streets and lobbying Baltimore City for speeding cameras in some intersections.

In addition, though both Mendoza and Sabnani expressed a desire to create a number of database systems, Mendoza's campaign offered to partner with an already existing University structure, ISIS, to aid implementation. For reasons of organization, clarity and concrete planning, *The News-Letter* has chosen to endorse Ardi Mendoza for SGA President.

SGA Vice President: Wyatt Larkin

The SGA vice president supports the president and runs student senate meetings. In deciding its criterion for the vice presidential endorsement, *The News-Letter* focused on finding a candidate who understood community priorities and expectations. A vice president must forward the agenda put forth by the cumulative executive board, but is also in a unique position to personally influence SGA direction and action. *The News-Letter* feels that Wyatt Larkin will most successfully balance his own priorities with those of the student body. The

current SGA vice president is junior Elizabeth Duval.

Larkin is running against junior Scott Barrett. Barrett served on the Academic Affairs Committee and focused on regulatory concerns such as investigating reading period assignment infractions. Additionally, his ideas about improving campus life are valid and *The News-Letter* agrees with his suggestion that SGA divert some attention from its committees to better serve each grade individually.

Larkin is a sophomore, but already has executive board experience, as he is the current SGA treasurer. *The News-Letter* feels some disappointment that he did not do more during his term to resolve redundancies and disconnects between the Finance Committee and the treasurer. That being said, though, he appears to have a deep understanding of SGA and command of the vice presidential role. He was able to speak to every question raised by this board and covered topics ranging from security to transparency.

SGA Treasurer: Joanna Gawlik

The SGA treasurer works to allocate and manage SGA resources. As SGA funds many student organizations and initiatives on campus, this job is crucial to an executive board's success or failure. *The News-Letter* has especially high expectations for the treasurer this year because all four candidates discussed clarifying the relationship between the treasurer and Finance Committee, a measure that is long overdue. Two of the candidates for treasurer, Joanna Gawlik and Nick Trenton, are associated with a ticket, while the other two, Thomas 'TJ' Bozada and Stephanie Valarezo are running independently.

Joanna Gawlik was on the Campus Affairs Committee this year. Her biggest initiatives, namely the currently tabled Hopkins Bike Share, have had an environmental focus. Gawlik aims to solve many of the problems associated with the treasurer position through increased transparency and communication with the student body. Specifically, she hopes to institute meetings with student leaders as well as open hours when any student can approach her with concerns. Additionally, Gawlik attended a student government conference last summer, which gave her a broad view of how student government is run at other colleges.

Sophomore Stephanie Valarezo has no prior SGA experience, but has an impressive platform. Her motivation for running stems from a desire to better regulate student group funding. She aims to avoid fluctuating cuts and increases by planning more broadly for the future. Valarezo lacks experience, but appears to be extremely motivated and dedicated. She plans to use her lack of experience on SGA to offer a new perspective.

Nick Trenton is the current chairman of the SGA Finance Committee. As such he has extensive experience relevant to the treasurer position. *The News-Letter* was impressed by his understanding of SGA, but he offered few specific proposals for the upcoming term. Equivocal rhetoric is a staple of all political campaigns, but Trenton has enough background to present a more developed agenda.

Thomas 'TJ' Bozada is a junior currently serving on the SGA Student Involvement Committee. Bozada prioritizes efficiency and would like to improve the treasurer position through modeling and analysis. He also aims to increase appreciation for Hopkins' already existing resources. Bozada is a solid candidate, but appears to lack deep understanding of how to work within the SGA finance system.

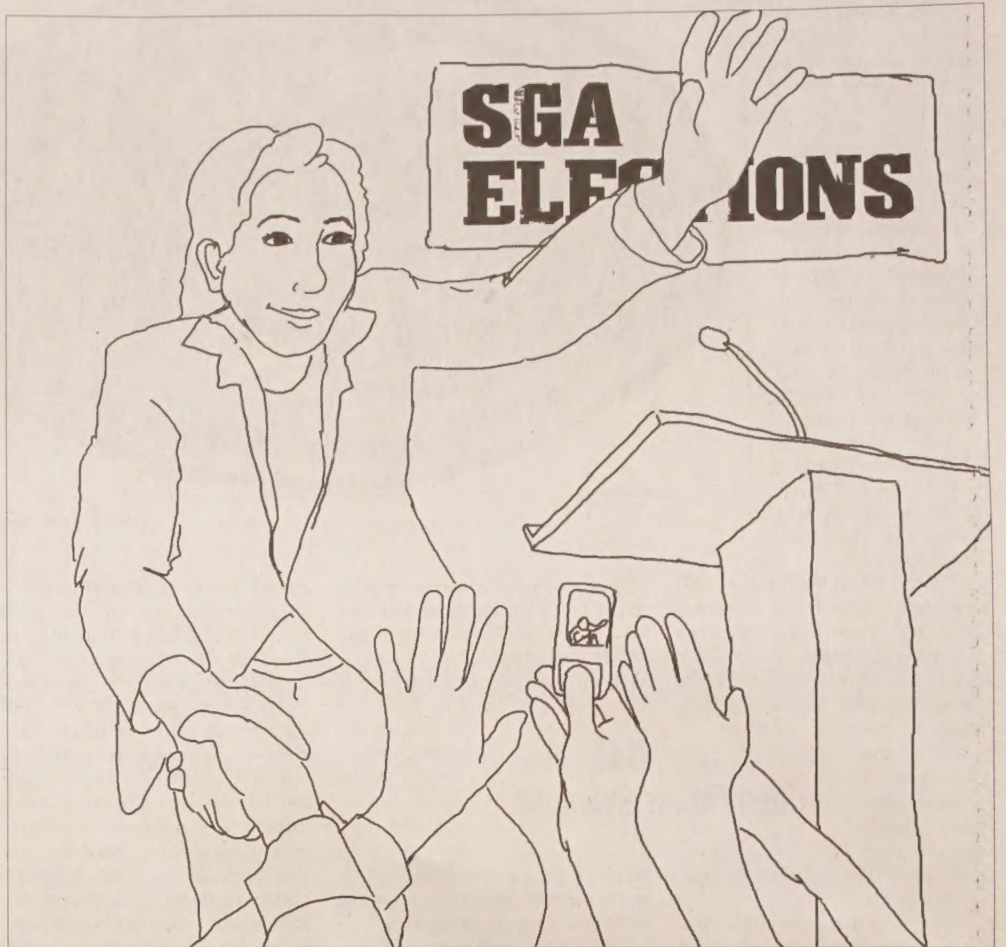
SGA Secretary: N/A

The SGA secretary's role is to maintain the SGA website, write up the meeting minutes, and to essentially be the face of the executive board to the student body. This year, there are two candidates for the position, Alex Dash and Annie Scavelli. However, *The News-Letter* abstains from endorsing an SGA candidate for secretary this year because the Editorial Board was unable to interview Annie Scavelli and, therefore, cannot fairly determine who is more qualified for the position.

Freshman Alex Dash is relatively new to SGA, having been appointed as a freshman senator mid-year to fill a vacancy. *The News-Letter* feels that he showed a great eagerness for the position and that his desire to create more outdoor spaces for students is promising.

Sophomore Annie Scavelli, though also a newcomer to the SGA, is currently the Vice President of Chapter Development in her sorority, Phi Mu and is highly involved in activities on campus. Her running mates informed the board that she is well-organized and is an efficient note-taker.

Anne Faber



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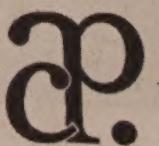
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OPINIONS

With the exception of editorials, the opinions expressed here are those of the contributors. They are not necessarily those of The Johns Hopkins News-Letter.

Intervention, just war and why the U.S. should not get involved in Libya

By BO TAO

The Libyan Crisis has been muddled with questions and misinformation. On one side, we have the Pro-Gaddafi forces pushing east towards Benghazi. On the other side, the rebels are pushing towards Tripoli. When the conflict broke out, the Western media heavily underestimated the Pro-Gaddafi support within the country, mainly depicting Anti-Gaddafi protestors chanting slogans and smearing the old tricolor Libyan flag on their faces.

As stability broke down within Libya, the Western powers decided to intervene to prevent civilian massacres by Gaddafi loyalists. Missiles flew, jets strafed, and people on both sides died. However, is U.S. intervention really necessary and important? I will provide three arguments for why the U.S. should not involve itself within Libya.

President Obama has set an unprecedented record in bypassing, the U.S. Congress to declare a "kinetic military action" against Libya. Obama had time to ask the UN, the Arab League and the EU to discuss what to do about the situation, but he did not ask Congress. Then under a UN resolution, he declared that the U.S. will now be engaging with Libyan ground forces with air strikes.

Over 100 Tomahawk missiles have been fired at Libya in addition to the air support. First, how is this not an act of war? Second, how does a UN resolution supersede the U.S. Constitution? Congress always has the ability to declare war and raise armies. The President is the commander in chief of the armed forces, but he does not have the ability to invade or attack another nation without approval from Congress. James Madison warned of the dangers of the executive office attaining war powers.

As for the UN resolution, what if the UN decided one day that the U.S. Constitution is too inconvenient and passes a resolution that allows it to supersede national constitutional laws. Should the president just obey the UN Resolution or stick with the Constitution?

When statesmen take an oath of allegiance to this country and the Constitution, they should stick with it and not play political games. The last formally declared war in U.S. history was WWII. How is this act of war different from Vietnam, Korea or Iraq, all of which were undeclared?

The second argument against Libyan intervention is the humanitarian factor. It is true that civilians get killed dur-

ing a war, but that's war. If you are on the losing side, there will be reprisals! The problem with this argument is that the U.S. only intervenes when it is in its economic or political interests. Egypt's Mubarak was a staunch ally of the U.S., and the U.S. never considered military strikes or economic sanctions against him.

We pampered him with billions of taxpayer dollars to fill his Swiss bank accounts. His humanitarian record of torture, oppression and suppression of political opponents doesn't make

pressing its protesters.

They torture, kidnap and kill dissidents and non-Muslims. So which of these fine nations do we invade next? Where was the U.S. when Hutus and Tutsis decided to have genocide in Rwanda? How many people in Darfur were killed when Sudanese militias decided to kill off the ethnic non-Muslim Africans? Furthermore, what would we do if the Libyan rebels decided to massacre Gaddafi supporters if they win the conflict?

From the intelligence perspective, the

stalled the Shah. The pretense was that Mossadeq decided to nationalize the oil production within Iran and stop the British Petroleum (Yes, that BP!) oil monopoly.

The Shah brutally oppressed the Iranian people while he and his family lived in luxury. A few decades later, the Shah was overthrown by the Ayatollah and now we have a maniac in Iran who wants to wipe Israel off the face of the earth and calls America the "Great Satan." The theory behind the use of economic sanctions against na-

telligence on the rebels in Libya. They could be Al Qaeda, Muslim Brotherhood, civilians armed with AKs or a mix. If we enforce economic sanctions, it will only strengthen Gaddafi when he provides vital necessities to his supporters.

America has bases in over 150 countries around the world. The reason for this are not peace, stability or humanitarian reasons. This problem is due to interventionist U.S. foreign policy; for the benefit of the American Empire. The American Empire doesn't need to have troops in other nations; it just needs a dirty puppet to stay in line for us.

To us, we may seem like heroes, invading under the pretense of freedom and democracy. To the people on the receiving end, we are the crusaders, the Yankee invaders and the infidels. The founding fathers warned the people of entangling alliances which lead to overseas ventures and endless wars. Washington has shown that it is unwilling to "change."

Neither the left nor the right has sounded significant opposition to this war (yes, it is war), except for the few vocal opponents such as Ron Paul and Dennis Kucinich.

I am advocating for a non-interventionist foreign policy, not an isolationist policy. Non-interventionism means that as a nation, we should maintain diplomacy with other nations, but not engage in alliances or their affairs.

War should only be used for self-defense. We should be friends to other nations and trade with them. We should learn about the different cultures of other nations and view society through their eyes.

Most importantly, we should realize that American ideals and values may not be the same in other nations. America is at a crossroad. We can keep spending, militarizing and intervening or we can go back to our roots. That is the choice that our generation must make.

Before Libya stalemates or NATO sends in troops, let's get out of there and let the rebels deal with it. The rebels knew what they were doing when they rebelled. Now it's time for them to finish it and face the outcomes.

Bo Tao is a sophomore Public Health major from Baltimore, Md.



ANNE FABER/GRAPHICS EDITOR

him the best leader to have. Then we have our ally in Bahrain, which had its troops deliberately shoot the protestors and even invited Saudi and UAE troops to enter its country to quell the rebellion. Our biggest allies in the Middle East, the Saudis, are even more interesting.

When the right-wing nutjobs complain about Sharia Law and denounce it on C-SPAN, they don't consider that Wahabism is alive and strong in our ally, Saudi Arabia. Not only are women's rights suppressed, but some of the most medieval punishments are still enforced such as beheadings, public lashings and torture. Iran is still sup-

problem with these interventions results with blowback. A simple definition of blowback is defined as the unintended consequences of interventions (military or economic) against a sovereign nation. The most notable man who the U.S. supported against the Soviet Afghan Invasion was Osama Bin Laden.

The CIA trained, equipped and supported the Afghan Mujahedeen against the Soviets. The CIA succeeded in repelling the spread of Communism, only to have the terrorists fly planes into the Pentagon and the Twin Towers years later. Another notable example is when the CIA overthrew the secular government of Mohammed Mossadeq and in-

tions such as Cuba and Iran is that the economic depravity will weaken the government.

Instead, sanctions have been credited to strengthening the central government. To the people, the governments are resisting the Western Imperialists and it is the West that is killing their children. Military and economic consequences of blowback apply to Libya. We don't have the in-

Nicholas Harnik

All aboard for train subsidies and a brighter tomorrow

Compared to many other countries across the world, train travel in the U.S. is quite primitive. While the relatively compact geography of countries like Japan and Germany lends itself better to train usage, there are still many reasons why the U.S. should follow the lead of these countries and increase its subsidies to inter-state train companies such as Amtrak. Train subsidies are a short-term expense that will reap long-term gains. The reasons why the U.S. should target train companies for subsidies over other forms of transportation are abundant.

First, trains are better for the environment than the cars they would take off the road and the planes they would take out of the sky. Second, such subsidies would relieve highway congestion, which will reduce the motor vehicle death rate. Third, trains are far safer than cars in general. Fourth and finally, the United States' consumption of fossil fuels would go down.

Cars are some of the biggest producers of CO₂, a greenhouse gas. In a time when global warming's effects are beginning to be felt globally (just look to the forest fires in Russia and floods in Australia), the United States must prioritize environmental concerns. The future implications of environmental catastrophe far outweigh any fiscal issues the government may be facing now.

Each new train produced by subsidies will take hundreds of cars off the road and thus greenhouse gas emissions will decline. Increased train traffic will also reduce the number of planes, which are also awful for the environment. Train rights of way take up far less room than 12-lane highways and trains can transport people and cargo far more efficiently than cars or planes. Today, the environment has to be one of our biggest

considerations and, environmentally, there is no argument against trains.

Another crucial argument for train subsidies is the fact that in many cases, corridor runs like those from N.Y. to Washington, DC and N.Y. to Boston, the train trip is just as fast, or faster than flying, when security checks and check-ins are taken into account. In addition, train stations are usually more centrally located than airports, which further reduces the total amount of comparative travel time.

Remarkably, the train fare in many instances exceeds the price of a plane ticket, which only incentivizes the public to favor their pocketbook over the environment. A government subsidy would immediately alter this for the better.

Furthermore, traveling by train is far safer than going by car or plane. According to MichaelBluejay.com, trains have the fewest deaths per billion passenger miles traveled (.5) compared to cars (7.2) and planes (2.3). Trains are also faster than cars, so the less time spent traveling, the more time that can be spent on work. Also, since one is free to use their hands whilst on the train, productivity would increase. Thus, the economy could be boosted by such measures.

Finally, since trains like the Acela can be powered using electricity, an increase in trains as a mode of transportation over cars would lead to a decrease in the United States' consumption of fossil fuels. For these reasons the U.S. government should absolutely allocate more funding towards Amtrak and other inter-state train companies in the upcoming budget.

Nicholas Harnik is a freshman International Studies major from New York, NY. He is an editor-at-large for The News-Letter.

Give it a rest, already: The case for no more army

By WOLFGANG ALDERS

For the last three centuries, the Army and Marines of the United States have valiantly defended our borders against foreign invasion. Now, at the dawn of the 21st century, I think it is finally time to let them go. Due to the ever-changing nature of war, I deem the Army and the Marines of the United States military to be obsolete and an unnecessary drain on America's federal budget.

There is a clear logic why the Army and the Marines should be immediately disbanded. First, the Army and the Marines exist primarily as an occupying force in the 21st century and occupation is extremely costly and has shown to have negative effects on American security in that it perpetuates anti-Americanism abroad. Second, it is necessary and prudent to drastically cut spending on things that are obsolete in the federal budget.

Threats to America can be divided into two very broad categories. There is the risk of attack by foreign sovereign nation-states, and there is the much more pressing threat of attack by stateless militaristic groups like Al-Qaeda, who operate across borders and without official sanction. In either case, the Army and the Marines are utterly useless.

An attack on the United States by a foreign country is highly unlikely in the first place. Most countries with any noteworthy military power on Earth are staunch allies of the United States, and although war hawks love to invoke the future potential threat of attack from China or Russia, such an event is highly unlikely given the mutually assured destruction that would occur in a conflict between two nuclear powers.

Secondly, if there were some strange

twist of events that led to an attack by a foreign nation, the Marines and Army would see hardly any action, save for occupying the foolish, aggressing nation after the United States won a quick and decisive victory. Any invading force would be destroyed with missile strikes before it was within 500 miles of American airspace. The Air Force and the Navy would utterly obliterate even a combined force of foreign invaders, with little casualty to American forces.

Even more likely, American special forces would assassinate and destroy any regime that even so much as plotted to attack the United States. With the vast reach of American intelligence, most invasion attempts by a nation-state would die before they even leave the drawing board.

The second, far more real threat against America would be at the hands of international terrorist organizations such as Al Qaeda. These organizations, which are lacking centralized command and not tied to any discernible political boundaries, are able to coordinate attacks of terror upon civilian populations around the world.

Against this enemy, the Army and Marines are useless as well. A well-equipped conventional infantry force can do nothing to stop a plane hijacking, or a bomb in a subway or the dispersal of biological weapons by mail. In the harbors of N.Y., only about 5 percent of cargo boxes are thoroughly searched. Should a terrorist group manage to smuggle a nuclear weapon into an unchecked cargo box, there would be nothing that the Army or Marines could do to stop disaster.

The only way in which the United States has attempted to use the Army and the Marines to combat international terrorist organizations has been to invade and occupy nations whose

regimes have theoretically housed or aided these terrorist groups. So far, this has been shown to be a dismal failure. By invading and occupying Iraq and Afghanistan, the United States has still yet to find and apprehend Osama Bin Laden.

Al Qaeda and the Taliban still exist, and they are now able to carry out attacks on American soldiers in the region. The U.S. government has spent more than a trillion dollars in these two regions alone, only to have the toppled regimes of Saddam Hussein and the Taliban replaced by equally corrupt and dangerous puppet governments.

Even worse, American presence in Iraq and Afghanistan has provided impetus and cause for the recruitment of disillusioned and angry Iraqi and Afghan citizens to the ranks of Al Qaeda. Saddam Hussein's regime in particular, was a secular regime and an enemy of Osama Bin Laden.

Since Hussein's overthrow, Al Qaeda has established a base in Iraq and has begun recruitment therein. Arguably, the presence of American occupying forces in Iraq has made the country less well off, and America less safe.

The United States has a larger navy than the rest of the world combined. It possesses overwhelming nuclear and air superiority.

The only real threat to American security comes from an enemy that has completely disavowed the use of conventional warfare.

Given these circumstances, it is only practical to disband the Army and the Marines, which have long since become nothing more than the blunt striking end of America's imperial war club.

Wolfgang Alders is a freshman archaeology major from Oakland, Calif.

PAID ADVERTISEMENT

SGA EXECUTIVE ELECTIONS**WHO WILL YOU VOTE FOR?****Kirk Sabnani – Presidential Candidate**

Kirk Sabnani is a Junior Computer Science major from Westfield, New Jersey. He is most interested in mobile development and network security and has developed for the Google Android. During this past year, Kirk, as the only senator serving on two full time committees, oversaw the creation of the Off-Campus Housing Database, provided tougher oversight over new student groups, and sponsored a resolution supporting tax deductions on off-campus housing such as fraternity houses. Kirk worked extensively with the current executive board on a

wide range of issues, such as a partnership with MySugu. Visit JHUExec2011.com for more information.

Scott Barrett – Vice Presidential Candidate

Scott Barrett is a Junior International Studies major from Philadelphia, PA. He hopes to attend law school after college. Outside of class, he is on the JHU baseball team. As a senator on the SGA, Scott has worked primarily on the Academic Affairs Committee, where he worked on improving inefficiencies on ISIS and the ACE Guide and laid the framework for an online syllabi database. Aside from continuing to work on his prior obligations, Scott's main focus is making the SGA more transparent and accountable to the student body. Visit JHUExec2011.com for more information.

Nick Trenton – Treasurer Candidate

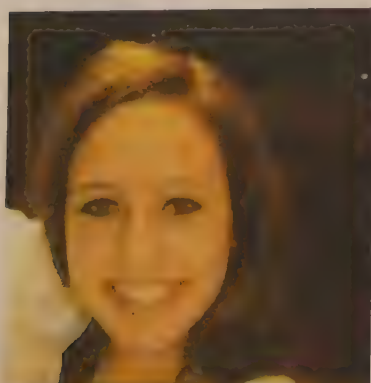
Nick Trenton is a sophomore ChemBE from California. As a two-term senator on SGA, he was elected Finance Committee Chairman in his sophomore year. Some of his achievements include the Student Initiatives Grant for new student projects and a bill that provides student groups with startup funding. In his two-year term as SAC liaison, he has gained valuable insight into the role of the SGA Treasurer, who leads the SAC, and worked closely with the Director of Student Activities. Visit JHUExec2011.com for more information.

TJ Bozada – Treasurer Candidate

My name is TJ Bozada and I want to be your SGA Treasurer. I am very qualified for this SGA Executive Position. I have spent the last year as a Junior Class Senator in the Student Involvement Committee. Beyond this, I am Captain of the Ice hockey team; Vice President of Marketing of Alpha Kappa Psi, the business fraternity; and Vice President of Administration of the Pre-Law Society; and an Admissions Representative. As a biomedical engineer with minors in Applied Math and Statistics and Entrepreneurship, I am most capable to handle the treasurer operations.

Andrew Cappuccino – Treasurer Candidate

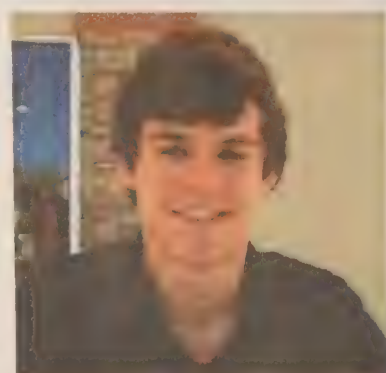
Yes that is my actual last name. I am a freshman of Building A running for executive board treasurer. I know I would be good at it. I have a fair sense of distribution and am just a fair person overall. Vote for me because I will be best. And if you won't vote for that reason, I'm a pretty nice guy, I like Nathaniel Hawthorne, Top Chef, chess, fantasy novels, stumbleupon, and the Princess Bride. Vote for me because I'll be the best and my last name is Cappuccino. Thanks for reading and voting.

Annie Scavelli – Secretary Candidate

Annie Scavelli is a sophomore NY native, majoring in Anthropology and French and minoring in Psychology. Her candidacy for secretary stems from her desire to represent student interest in the SGA to create new and innovative campus programs. Annie's experience in past student governments and her familiarity with SGA groups, such as SAC, have given her the perfect skill set for secretary. The position is also exceedingly suited to her organizational abilities and her capacity to type meeting notes quickly and accurately. Visit JHUExec2011.com for more information.

Ardi Mendoza – Presidential Candidate

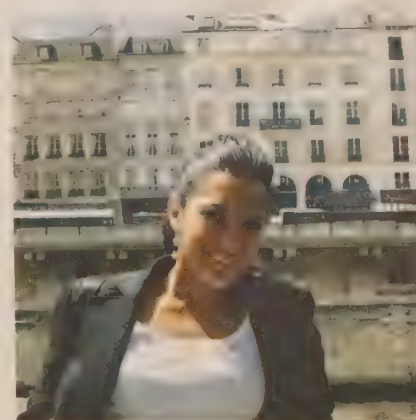
I am a junior from Waldwick, New Jersey majoring in Neuroscience and minoring in Spanish. I have been on SGA since my freshman year. This year, I am serving as the current junior class president. During my tenure on SGA, I have chaired two committees and over the Halloween Bus program and Spring Student Activities Fair. As president, I plan on bringing my experience to improve life here at Hopkins. I am excited to run on a ticket with Wyatt Larkin, Joanna Gawlik, and Alex Dash. Vote Ardi Mendoza For Exec. Board President.

Wyatt Larkin – Vice Presidential Candidate

I am a sophomore political science major from Chandler, Arizona. Currently, I serve as the SGA's Executive Treasurer, and was president of the class of 2013. This year, I implemented a new Student Activities Commission (SAC) funding system, rewrote the SAC's funding guidelines, and helped successfully lobby for increased student activities funding. As VP, I will work to streamline SGA's internal structure so that it can more effectively represent student interests. I will also use my executive experience to ensure that SGA can operate effectively from day one.

Joanna Gawlik – Treasurer Candidate

I am a sophomore from Brooklyn, NY, with a major in International Studies and minors in Economics and Entrepreneurship. I currently serve as a Sophomore Class Senator. As a board member for both Students for Environmental Action and the JHU Pre-Law Society, I understand the funding needs of different groups and how to budget effectively. I have worked with and am running alongside last year's treasurer, and my experience would allow me to pursue policies that will enhance student life at Hopkins through large-scale events and student services right from the start.

Stephanie Valarezo – Treasurer Candidate

I am a rising junior BME running to become your next SGA Treasurer. I will bring transparency, creativity, and innovation to the position. The SGA's purpose is to represent your interests. So all budget and financial transactions should be accessible to you, the students. I will be creative in order to find out your concerns and research innovative ways to address them. As Treasurer, I will work fiercely to obtain and use our funds wisely in order to improve your experience at JHU as well as to continue to provide the amazing and enriching events that make this campus unique.

Alex Dash – Secretary Candidate

Several months ago California took a deep breath and chucked me across the country. Gone were the In-n-Outs, the sun, and the comforts of home life. But arrived were the rigors of JHU. I am a freshman International Studies and Latin American Studies double major; I plan to pursue international business. My experience so far on the SGA has shown me that student government is, in fact, effective and accomplished. I hope to bring more of my own skills to the table as Secretary, and am excited to run with Messrs. Mendoza, Larkin, and Miss Gawlik.

CAST YOUR BALLOT
VOTE.JHU.EDU

VOTING BEGINS
THURSDAY, APRIL 7 9:00 PM

SUNDAY, APRIL 10 11:59 PM

THE B SECTION

The Johns Hopkins
News-Letter

Your Weekend • Arts & Entertainment • Cartoons, Etc. • Science & Technology • Sports

APRIL 7, 2011



*Hopkins ballet company delivers
a magnificent performance*

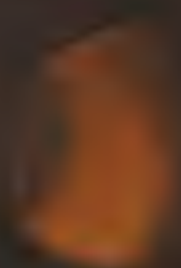
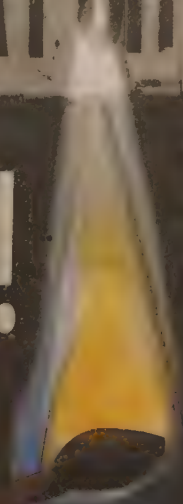
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WHAT DO MATCHES AND EGGS HAVE IN COMMON?

SULFUR!

YOU NEED IT MORE THAN YOU
THINK! SEE PAGE B7.



YOUR WEEKEND APRIL 7-10

JHU Arts Festival showcases different events *A guide to exploring B'more's parks*

By FLORENCE LAU
Your Weekend Editor

The Johns Hopkins Arts Festival is this weekend, showcasing a variety of different performances and workshops. Here is a list of some of the events you can expect to see this weekend:

Thursday, April 7:
6 p.m. in the MSE Library: A cappella multi-group concert
7 — 9 p.m. at Shriver Hall: Hopkins Symphony Orchestra open rehearsal
8 p.m. in Hodson 110: Boy Scouts of Harlem and Q&A with Jake Boritt

Friday, April 8:
4 p.m. at the Mattin Center:

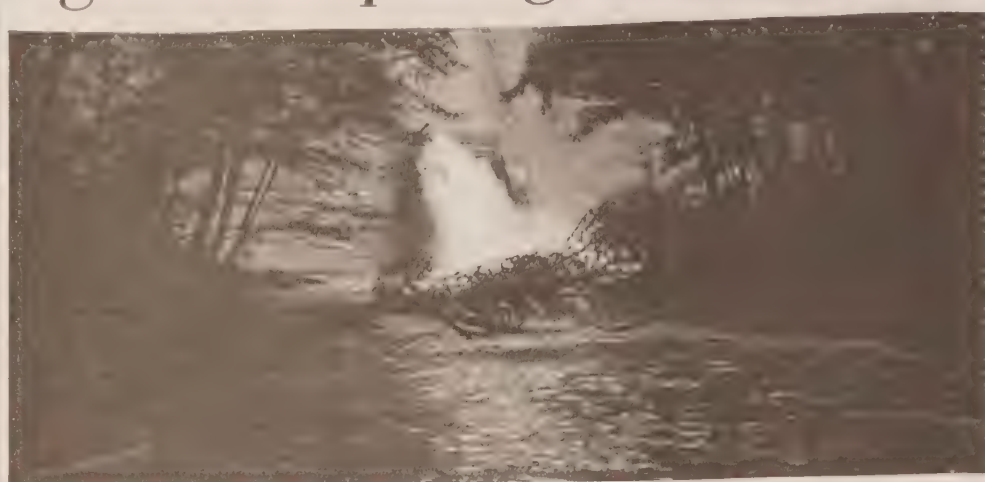
Peabody-Homewood Double Degree student recital
5 p.m. at the MSE Library, Quad Steps: Writing Seminars Undergraduate Student Readings
7 p.m. at the Mattin Center, Room 101: The Glories of Early Music

8 p.m. at Swirnow Theatre: *Evita* by the Barnstormers
10 p.m. — 6 a.m. at the Rec Center: Student Dance Marathon

Saturday, April 9:
1 — 2:30 p.m. at the Mattin Center, Room 105: Conducting workshop with Hopkins Symphony Orchestra music director led Gaylin
1 — 2:30 p.m. at the Lacrosse Museum: Sculpture Tour with Cindy Kelly

3 p.m. at the BMA auditorium Escher String Quartet.
3 — 4:30 p.m. at the Mattin Center, Room 105: Performance Exploration Workshop
3 — 5 p.m. at the Offit Building, Mattin Center: Digital Media Center Open House
5 — 6 p.m. at the Silk Road Cafe: Wearable Art Fashion Show
7 p.m. at Bloomberg, Schaf-ler Auditorium: South Asian A Capella Showcase "HUMARI AWAAZ"

Sunday, April 10
3 p.m. at Mattin Center, Room 101: Peabody Preparatory ACE "Chamber Music"
4 p.m. at Peabody, Leith Sym-ington Griswold Hall: John Walker on the organ



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The Loch Raven Reservoir in Baltimore County offers areas to picnic and hike as well as boat rentals and scenic views of waterfalls.

Virginia Bagwell Prize

If you're a senior, looking for something to do this weekend and are artistically inclined, why don't you create and submit a work in oils or watercolor for consideration for the first Virginia Bagwell Prize? This prize will be presented during the Homewood Art Workshops Studio Show reception on May 13, 2011.

This Prize honors the memory of Virginia Bagwell, a big patron of the arts in Dal-

las, Texas. Mrs. Bagwell (1917-2008) is the aunt of Virginia Hol-loway Forni, who is Homewood professor P.M. Forni's wife. The Bagwell Prize will recognize the achievement of a graduating senior who has studied painting in the Homewood Art Workshops.

Paintings must belong to the genre of realism and naturalism from the late Western Middle Ages through the European Renaissance to present day.

Works will be judged by three

people: the Director of the Homewood Arts Workshops, ex officio, a member chosen by the Director and a representative of Ms. Bagwell's family. Should the works submitted fail to meet the requirements or are deemed insufficient, the jury has the option of not awarding a prize.

The deadline for submissions is Friday, April 29. The 2011 prize is \$2,000.

- Florence Lau

Finally, the sun has burst through the gray winter clouds and spring descends upon us. As a Hopkins student, you are luckier than most in Baltimore City in that you see growing grass in large quantities everywhere you look.

However, if you are becoming jaded with the familiar shape of the Beach, and the quads are no longer appealing, perhaps you should picnic at another Baltimorean park locale.

There are three parks, which to me, are worth mentioning. Naturally, other Baltimoreans will proffer their own preferences, but these are the most non-contentious alternative-park options.

The closest park to the Homewood campus is Druid Hill Park. In Bawlmerese, Druid Hill is pronounced "droodle" or "droo-idle." A quick jaunt down Wyman Park Drive behind campus will get you there.

Inaugurated in 1860, Droodle is among the three oldest, landscaped, public parks in America. Central Park in New York City and Fairmount Park in Philadelphia are the only older parks.

Droodle is home to the Maryland Zoo and the Baltimore Conservatory. Like nearly everything

in Baltimore, neither of these public places are particularly grandiose, but they are exceedingly charming.

The Maryland Zoo, which has been struggling in recent years, is the third oldest zoo in America. It opened in 1876 and houses some 2,000 animals. Despite some hard financial times, the zoo has seen some animal-related boons in the past few years.

Michael Ferrante
Being Baltimorean

In 2008, it saw the first birth of a male elephant calf. His name is

Samson, and he is viewable. In 2010, the zoo welcomed two male warthog babies, who are also viewable. If you are looking to learn more about the wildlife of your temporary (or permanent) state of residence, the zoo has a Maryland Wilderness exhibit too. In it, you can see animals native to Maryland like otters, red foxes or the endangered Bog turtle.

Although further from campus and with less things to do, Patterson Park is still a lovely picnic spot... at least during the day. I do not recommend hanging around Patterson Park at night. It gets scary.

During the War of 1812, the hill in Patterson Park, Hampstead Hill, played a key role in repelling the British. As the British Navy bombarded Baltimore by sea, the British Army marched

towards Hampstead Hill by land. When they got close, the British saw that they faced a formidable army of 20,000 troops and 1,000 cannon.

The iconic (to Baltimore at least) Pagoda stands on Hampstead Hill now and provides a lovely view of the city. It was designed in 1890 and originally named the Observation Tower. If you are of fishing inclination, there is a boat lake with those gilled water-breathers. If you aren't, there are some pretty waterfowl and heron you can watch as amateur birders. If you like none of this stuff, then you, sir or madam, are very difficult to please and my only other suggestion would be to go play on the playground like a creeper.

Although y'all might not be here for the sweltering Baltimore summer months, it might still be fun to go visit the Loch Raven Reservoir in Baltimore County. Though not a park per se, the Reservoir offers many of the amenities you would normally find in a park. There are picnic tables, hiking trails and boat rentals.

If you are unfortunate enough to catch one of Baltimore's early summer days, when the temperature reaches north of 90 degrees and humidity is at a solid 100 percent, the Reservoir is the perfect place to cool off.

The coming month and a half is the best time to check out the parks Baltimore has to offer.

JHU Modern Dance to perform at Arts Festival

By GISELLE CHANG
Staff Writer

"What is modern about modern dance is its resistance to the past, its response to the present, its constant redefining of the idea of dance."

- Marcia B. Siegel

Since 1981 the Johns Hopkins Modern Dance Company has striven to expose and educate both Hopkins and the wider Baltimore community in modern dance.

This company was the first dance group on campus and has been led by Ms. Marilyn Byers

since its founding. Byers's pieces are largely in the style of Alwin Niko-lais and Murray Louis, under whom she directly studied. Comprised of undergraduate and graduate students, the company performs at campus-wide events and has an annual concert in the spring.

To celebrate the company's 30th anniversary, the spring concert will feature two performances: Saturday April 9th at 8:00 p.m., and Sunday April 10th at 2:00 p.m. in Shriver Hall on the Homewood campus.

The Sunday matinee perfor-

mance will include several other Hopkins dance groups and both nights' performances will also showcase the work of Hopkins alums.

Tickets are \$3 for students and \$5 for everyone else. While dance performances may have become a standard part of student and community life, the Hopkins Modern Dance Company hopes to expose audience members to an original iteration of American modern dance.

For more information please contact Giselle Chang or Emily Moore at dance@jhu.edu.

Calendar of JHU Events

Thursday, April 7

Brain Freeze & Free Slushies
1 — 4 p.m.
Outside Levering

Come get a free slushie and learn about the neuroscience behind brain freeze. Nu Rho Psi is hosting this event as part of Brain Awareness Week. Rain location is inside Levering Hall.

Mentalist & Illusionist Wayne Hoffman
9 — 10:30 p.m.
Nolan's

Mentalist and illusionist Wayne Hoffman is internationally renowned as one of the best performers in the art of illusions. He has appeared on many popular shows, and he will be performing this week for Thursday Pub Night at Nolan's. Get ready to see an amazing show involving mind reading, magic and comedy with lots of participation from the audience.

Friday, April 8

JohnCon 2011
4 p.m.
Levering

The annual gaming convention is taking over Levering Hall this weekend, running 50 hours straight from 4 p.m. on Friday to 6 p.m. on Sunday. There will be a huge dealer's room, a variety of games, a B-movie theatre and lots of anime. Admission is \$10-\$12.

Ladybirds Dance Team
8 p.m.
Shriver Hall

The official dance team of JHU presents their annual spring concert. There will also be guest performances from other performance groups at Hopkins.

Evita
8 p.m.
Swirnow Theatre

The Barnstormers present this Andrew Lloyd Webber musical about Eva, the Argentinian girl who grows up to become the wife of the present of Argentina. Tickets are \$5 for stu-

dents. There will also be performances April 9, 14 and 16 at 8 p.m. and April 10 and 17 at 3 p.m.

JHU Dance Marathon
10 p.m. — 6 a.m.
Ralph O'Connor Rec Center

The JHU Dance Marathon is an overnight dance party that raises money for the Johns Hopkins Children's Center. Students will stay standing all night with dancing, games, food and entertainment. There will be a live DJ and free food.

Saturday, April 9

Hands-on Craft Activities
3 — 5 p.m.
Mattin Center

As part of the JHU Arts Festival, there will be thirty-minute beginner workshops on various crafts led by JHU faculty, staff and students in the Mattin Center. Learn how to make jewelry, decorate a cake, bind a book and more. Signs will be posted for specific workshop locations.

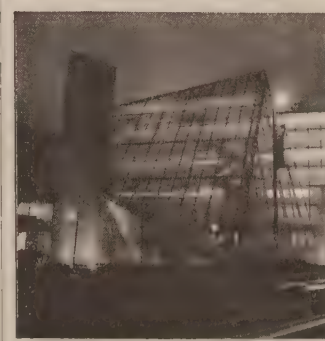
Calendar of B'more Events

Thursday, April 7

MyOtherland
6 — 10 p.m.
Gallery 219

Savanna Leigh's new work includes sculpture, blown glass, film and painting relating to geographic identity. Gallery 219 is located at 782 Washington Blvd.

Friday, April 8



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The Vigil
7 p.m.
Cohen Plaza @ MICA

Celebrate the coming of spring at this all-night music festival which will weave together over-

lapping performances by various artists. Student video pieces will be projected on the side of MICA's Brown Center.

International Roma Day
9 p.m.
Metro Gallery

Celebrate International Roma Day with Baltimore and The West Philadelphia Orchestra. There will be live traditional gypsy music, belly dancing and a goat raffle. Metro Gallery is at 1700 N. Charles St.

Saturday, April 9

Crossing Borders Photo Exhibition
6 — 8 p.m.
Creative Alliance @ the Patterson

See the people and places in Baltimore which immigrant and refugee youth from Nepal, Bhutan, Iraq and Eritrea have photographed while settling down in their new home here.

Baltimore Improv
8 p.m.
The Strand Theatre

Watch the hilarious and well-known Baltimore

Improv Group in a hysterical improv show at the Strand Theatre with guest appearances from the puppet improv group "Tigerhead."

FUSION: HipClastic
8 p.m.
Creative Alliance @ the Patterson

FUSION presents a collaboration of hip hop, classical music and dance. Live instrumentation is combined with thought-provoking lyrics along with classical trained and hip-hop dancers to deliver a unique performance.

Sunday, April 10

Farmers' Market
7 — 12 p.m.
Under the Jones Falls Expressway

The 34th annual Baltimore Farmers Market will feature fresh produce, meats, flowers, crafts and more. Food vendors will offer cultural cuisine like pit beef sandwiches and pastries. Products are all organically raised and produced. Catch the #11 bus outside Mattin and get off at Saratoga.

ARTS & ENTERTAINMENT

JHU Film Fest presents “Intersecting Arts” JHU Ballet Company show right “en pointe”

By HSIA-TING CHANG and REBECCA FISHBEIN
Arts & Entertainment Editors

Movie buffs and film connoisseurs were in for a treat this past weekend; despite Hopkins's penchant for movies like *Tangled* and *Iron Man*, the university finally screened films for the more discerning student.

The Johns Hopkins Film Society organized its 14th annual JHU Film Fest, a three-day extravaganza that featured a young filmmakers showcase, two documentaries, three films and three shorts programs in addition to panels and presentations.

The festival, which focused on the theme “Intersecting Arts,” kicked off on Thursday night (March 31) with a panel, simply entitled “Film Fest Forum: Baltimore, Film, and the Arts,” that discussed the role of art in Baltimore.

Hopkins faculty member Matt Porterfield, now Baltimore scene-elite after the premiere of his film *Putty Hill*, was invited to speak.

Intra-media artists Jimmy Joe Roche, Pamela Phatsimo Sunstrum and Andrew Laumann were also guests. They shared their own personal experiences, their respective art forms and spoke about the Baltimore scene as a creative community.

The following night was devoted to actual film screenings. A 50-minute showcase of young filmmakers' work provided attendees with a glimpse of this generation's creative promise.

The 2008 Aaron Rose-directed documentary *Beautiful Losers*, chronicling a collective group of artists involved in D.I.Y. aesthetics, also screened, followed by graffiti-artist

Banksy's lauded 2010 film *Exit Through the Gift Shop*.

Saturday opened with the hour-long *Turkey Motel*, written and directed by Kyle P. Smith and screened at this year's SXSW festival.

Two shorts programs followed.

The night concluded with famed director Jean-Luc Godard's 1965 quasi-postmodern film *Pierrot le Fou*, the review of which is published on page B4.

Sunday, the final day of the festival, opened with a final shorts program.

In the late afternoon, the festival concluded with its pièce de résistance, a 35 millimeter screening of *The Wizard of Oz*.

According to Film Society co-presidents, seniors Alexandra Byer and Josh Gleason, this year's Film Fest was very well attended.

“Overall, we had higher numbers than we've had in years,” Gleason said.

“We were really happy with the turnout this year. [Film Fest] has been growing for the past few years, and we hope that it will continue to grow in the future.”

Byer, who is also the Editor-in-Chief of Hopkins' film journal *Frame of Reference* — the annual release of which coincided with Film Fest — noted that Hopkins' film programs have seen increased interest of late.

“In the last few years, film society and film festival have become stronger presences on campus and in the community,” she said.

“This year's festival is indicative of that, and hopefully this upward movement we've been having continues in the years to come. We can only go up from here.”

By ASHLEY AAROE
For The News-Letter

Offering a diverse selection of pieces and guest groups, the Johns Hopkins University Ballet Company sought to demonstrate that they are at a “Turning Point” in this year's spring showcase.

If the turning point referenced was from “lovely” to “lovelier” — mission accomplished, girls.

The first piece, an adaptation of the classic *Sleeping Beauty* “Bluebird” variation, opened the show in a clever way.

Bluebirds at Hopkins (and *Bluebird* characters across the ballet world) were done proud with this precise and neat adaptation.

Unfortunately, the dance's precision was the result of using an agonizingly slow version of the song. Instead of flirting and flitting across the stage, this flock of Bluebirds was a touch lethargic.

“En Coulisses,” with its gentle French sensibilities, was an absolute treat. Delicate solos by Anita Luong, Jacky Tse and Ting Zha were refreshingly expressive. The less successful concept invoked dancers practicing in a studio, alternately dancing and marking.

“Marking” is a phrase for walking through the choreography to memorize it, and is the opposite of doing something “full-out” or with performance quality.

In “En Coulisses,” the transitions between “marked” and “full-out” were both blurred and arbitrary. Without the guidance of the event program, an observer would assume that the dancers had simply given up at various points throughout the piece.

The first piece to utilize pointe shoes — hallmarks of classical ballet — was an adaptation of the “Esmeralda” variation.



CAROLYN HAN/PHOTOGRAPHY EDITOR

The JHU Ballet Company performed a number of technically difficult pieces, requiring the dancers to push to their limits.

The company's technical prowess was most evident in high-flying jumps and strong balances. Balancing in pointe shoes is no easy task; even wearing the things is a struggle after a few minutes. Consequently, Esmeralda's solidness was nothing short of admirable.

However, the concentration required to go en pointe was etched on the faces of some dancers, somewhat detracting from the overall effect.

This hesitation was also evident in the manner many climbed gingerly onto their tip-toes instead of springing up. Tambourines provided a novel

element, and the audience response was quite enthusiastic.

The second half of the show had a significant contemporary lean; more than one piece appeared to be influenced by the work of other JHU dance groups with non-classical aesthetics.

While the style of these pieces seemed less natural, the use of modern music conferred strong senses of energy and musicality.

The choreography of “The Scientist,” by Mary Dzwonchuk, was particularly evocative. Making abundant use of striking shapes, the dancers seemed wholeheartedly invested in portraying the bittersweet quality of music.

“Everything Falls” was a high point of the night, a tribute to the hardworking efforts of the dancers' mothers. The dance, falling into the category of true contemporary ballet, was performed with utmost passion and sweetness.

The following piece “Uncharted,” while beautiful, was less dynamic by comparison. “Songs of the Fallen Leaves” was gorgeously staged, with a red-on-black backdrop serving to underscore the intricacy of the choreography.

While the group sections were not always cohesive, the overall impression left on the audience was vivid.

It would not be surprising if watching the dancers glide gracefully across the stage — particularly choreographer Rachel Yong — inspired everyone in the audience.

Ending the show was a cheeky go at setting ballet to Michael Jackson's “Billie Jean.”

The idea behind this dance was adorable, as was a slick moonwalk en pointe across the stage.

Lacking, however, was overall execution, emphasizing several issues the company must overcome as it seeks to develop further in the future.

The first issue is branching into different territory, which is understandably fun, not only for the audience but also for the dancers.

These stylistic deviations must, however, be used judiciously. For instance, the effect of an arabesque immediately followed by a “b-boy”-style baby sweep is uncomfortably jarring.

Additionally, this dance highlighted the group's tendency for long lulls and pauses in choreography, creating something more reminiscent of posing than of dancing. Wonderfully, the dance also highlighted several of the JHU Ballet Company's strengths: passion and a clear respect for ballet.

One can defy Hopkins arts aficionados to find a group more determined to do justice to their art form. Everyone on stage looked like they were having a blast, and the piece came off as a love letter to something that gives them great joy. This energy spilled over into the finale, laying the foundation for a resoundingly positive conclusion to the show.

“Turning Point” showcased the evolution of the JHU Ballet Company, from its humble inception only a few years ago to the well-organized team that performed Sunday night. Questions remain regarding épaulement, the ever elusive “stage presence” all dancers strive for, timing and technique; however, what was lacking in polish was more than made up for in sheer grit.

The performance power of the group in the face of lighting issues, slippery flooring and an exhaustively long set list speaks volumes about their talent and fortitude.

The JHU Ballet Company has advanced quite literally by leaps and bounds, and will certainly continue to do so in their future. Their passion charges their pursuit for excellence, and isn't that the whole point?

Witness showcases mixed bag of student talent

By HSIA-TING CHANG
Arts & Entertainment Editor

Hot on the heels of Hopkins smash hit *JHUConfessions*, Witness Theater staged another student written production this past weekend at the Arellano Theater in Levering.

The student group performed a series of six one-act plays written, directed and produced by current undergrads over the course of Saturday and Sunday.

The night began with an announcement from senior Pierce Delahunt who, in protest of the University's decision to cut two plays from the showcase due to nudity, appeared on stage stark blooming naked.

It was an unexpectedly intimate view of Hopkins politics, though Delahunt seemed unfazed by the attention and merely promoted feminist porn director Tristan Taormino's discussion panel later that week. With the proverbial ice broken by that surprise, the night proceeded quite companionably.

Even with a small rotating cast, the student-run theater company managed to put on an interesting show: *Bellissimo*, the first one-act of the evening, utilized only four actors.

Written by junior Luke Mayhew, freshman Marc Reisner stumbles around, taking photos. The flash blinds in the near total darkness. From one corner of the stage, junior Ian White acts as the surf-and-sound guy, or the “Indian Ocean!” as the program accredits him.

Senior Ben Greenfield played Archibald, the earnest Italian painter who argues with Peppino (Freshman Brandon Epstein), a rival painter who paints not only the landscape of the seaside, but Archibald painting the landscape.

Benny, the photographer from earlier, takes photos even as their philosophic difference results in fistcuffs on the beach. Enraged by the interruption, Archibald shoves the innocent bystander and kills him.

Though the artists' pizza parlor Italian accents were hokey at times, when push came to shove, Greenfield and Epstein were still



SHANNA EDBERG/STAFF PHOTOGRAPHER

A Mountain Scene, by Ian White, featured two yodelling siblings, their mother, cardboard sheep, a falcon, and a pig (not pictured).

able to convincingly portray the guilt and denial their characters feel at the climax. Mayhew's play deftly interweaves humor with regret; its success stands as a testament to the playwright's skill.

Next up was freshman Jen Diamond's *The Curator*, which pits a recently separated couple against each other.

Though the concept of the play was intriguing (Hugo, played by Mayhew, steals baggage from the airport where he works and May, played by freshman Lien Le, finds out), the pacing was a little off. Diamond doesn't establish Hugo and May's relationship soon enough and, as a result, the audience spends too much time trying to piece it together.

Nonetheless, Hugo's compulsive stealing beautifully illustrates his desperation for human companionship, and Diamond deserves serious props for coming up with this brilliant conceit.

Mayhew and Le awkwardly orbit each other as Hugo and May and, though the reason for their break-up is never divulged, their stilted conversations provide enough fodder for the imagination that an expla-

nation is unnecessary.

White's whimsically disjointed pastoral, simply called *A Mountain Scene*, begins rather aptly with a pair of yodeling siblings. Argus and Sarah, played by freshmen Jake Budenz and Amanda Feinman, who love the mountain on which they live. The two go into raptures about its beauty, its ability to provide for them and how grateful they are to it.

However, the brother Argus disrupts the harmony after he dreams of another, better mountain. The conflict between Argus and Sarah builds until their long-lost mother, played by senior Rebecca McGivney, manages to assuage them both.

White's profusion of elevated language worked well enough in context, though at times his command of it seemed to falter.

An exercise in the absurd, the play featured the playwright himself as a surly pig, a purple falcon whose function wasn't made completely clear, and an uncomfortably incestuous relationship between Argus and Sarah.

Though there was certainly promise, the play suffered from

the lack of a uniting theme. If some deeper meaning was intended, it was lost beneath interspecies make-outs and over-the-top camp.

Following a short intermission, Mayhew returned with his second play, *Late Play*. Delahunt was spot-on as Tristan, a well-meaning but exasperated professor who meets with Nate (freshman Charlie McGeorge) to discuss his as-of-yet unworkshopped play.

A snapshot of life as a Writing Seminars student, *Late Play* left the audience crying with laughter as the unresponsive student runs circles around his professor.

The occasionally pointed digs at the department were enjoyable; though not necessarily high art, it was nonetheless quite brilliant.

The indisputable highlight of the evening was Kathleen Hancock's one-act *Three Ways About It*. A disturbing glimpse into the psychosis of three women (played by Diamond, freshman Erika Rodriguez and McGivney), the spotlight rotates among the three actresses.

Eventually, their separate accounts of abuse converge into a

SEE WITNESS, PAGE B5

Conan O'Brien's new show on TBS: “You go, Coco!”

By JANE SYH
Staff Writer

Step into the dojo. You're about to get whooped by ... The Ninja (pronounced like the “gin” in ginger).

Right, so perhaps that isn't Conan O'Brien's most well-known nickname. It certainly doesn't hold a candle to “Coco,” which was originally used in a comedy sketch during Conan's run on “the show that shall not be named” and later promoted by Tom Hanks as he riled up the audience, encouraging them to chant “Coco! Coco!” (“If that catches on,” O'Brien jokingly told Hanks, “I'll sue you.”)

14 months and one network switch later, *Conan* is still receiv-

ing gifts from his guests — fashion advice, fuzzy hats and a new nickname from WWE international champion The Miz.

The two chuckled onstage, throwing various barbs at each other, and then The Miz announced that Coco was too wimpy a name for Conan, subsequently dubbing him The Ninja.

These humorous and friendly celebrity interviews are just one of many things to love about Conan O'Brien's new show on TBS, now up and running for about five months. It's a sometimes-sincere, often-ridiculous always-hilarious show — quirky and easily lovable, just like its host.

SEE CONAN, PAGE B4

ARTS & ENTERTAINMENT



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After a prolonged battle with NBC over *The Tonight Show*, Conan O'Brien is back and better than ever with his TBS show, which features sketch comedy as well as stand-up.

O'Brien's TBS show *Conan* kills competition

CONAN, FROM B3

The format of the show is a familiar one, barely discernible from the one O'Brien kept back when he was on NBC: monologue first, followed by desk jokes with Andy, then two guests and ending in the musical act or sometimes a short performance from a stand-up comedian.

Conan O'Brien's favorite target to mock in his monologue is . . . Conan O'Brien. He often pokes fun at himself, drawing attention to his hairstyle, pasty complexion, bewildering height and (lack of) manly physique.

Self-deprecation has always been part of O'Brien's comedic style and he folds it seamlessly into a routine that also contains a plethora of celebrity impressions, dramatic expressions, miming and other energetic, spontaneous quips.

Other favorite things to mock include: TBS, Sarah Palin, Justin Bieber, the entire cast of *Jersey Shore*, NBC, Larry King, Harry Potter nerds and his sidekick, Andy Richter.

The monologue has always been critiqued as *Conan*'s weakest portion, but since coming to TBS, he's come off as less stiff and much more relaxed.

He frequently vamps with the audience, calling someone out for cheering at an inopportune time ("Math! Woohoo!") or pointing out impressive signs, masks and — more often than you would think — fake beards.

And then there's the comedy sketches. It's this part of the show that more than showcases *Conan*'s draw towards younger audiences.

He does things like play "Angry Birds" — not the Apple game on an iPhone, but a life-size version complete with birds, pigs and Ikea furniture (since Finland invented "Angry Birds" and Finland's nemesis is Sweden, obviously). Once, he replaced the pigs with balloons that had the faces of the *Jersey Shore* cast taped on them. Snooki, however, was still a green pig; she was just wearing a bump.

Other reoccurring sketches are segments from the Broadway musical *Spider-Man* (which includes a man dressed as Wonder Woman who makes passes at Conan), reports from his blimp complete with theme music and the ability to stalk Gary Busey and, back in December, daily appearances from Minty, the candy cane who fell on the ground.

O'Brien stays close to topics that viewers in the 18-49 age demographic would understand easily. For instance, another popular sketch is "Conan's Video Blog," where he mocks the thousands of awkward teenagers out there on YouTube who rant and post angsty videos for the world to watch.

At some point, Andy walks in and interrupts the blog, resulting in Conan channeling some Breakfast Club anger and kicking him out. In the most recent sketch, O'Brien spoofed Rebecca Black's "Friday" with the song that he claims he came up with first, a heavily autotuned "Thursday" ("The day after Wednesday / Two days after

Tuesday . . . That was a rapper / which makes this a real song / Fun fun fun fun fun fun . . .").

Another favorite sketch is "The Flaming C." Early in the season, O'Brien paid a visit to Bruce Timm of the Warner Brothers Animation Studio and together they created a new superhero.

Conan threw out ideas ("And a Star of David behind it. I just want to include everyone." "Oven mitts!" "Shoes, like loafers." "Old man socks with garters." "And fishnets!") while Timm drew. Since then, Conan has released multiple clips animated by Warner Brothers that depict the various adventures of The Flaming C as he chastises Young Justice, saves a bus full of school children and takes down his arch nemesis's cat.

Out of all of these insanities, however, the most unique part of *Conan* is O'Brien's constant interaction with his fan base.

His relationship with the audience is taken to a whole other level — he does everything from teasing an awkward sitting position to playing games to actually rubbing beards with them — but it goes further than that.

TeamCoco.com, *Conan*'s official website, holds a lot of contests including a car freshener giveaway (the car freshener came packaged in a car).

There was also a video submission challenge where the winning couple got to have their Valentine's Day date live on the show where their dinner was catered by Iron Chef

Michael Symon (he brought Taco Bell) while William Shatner serenaded the couple with a dramatic reading of the lyrics to Rihanna's "Umbrella."

Another interactive favorite is "Haha I Found an Error" where fans send in videos pointing out mistakes O'Brien made on air . . . and then he debunks each of them with conveniently-rare historical footage and explanations of new Bay Area Rapid Transit (BART) stops in Libya.

All in all, *Conan* is an absurd and whimsical show that has been running strong since its premiere.

Celebrities often comment on how much fun it was to make an appearance, though it's questionable whether Martha Stewart or Justin Bieber would concur, as O'Brien ate all of Stewart's prepared food and then dumped a rainstorm of Peeps on JBiebs.

That isn't to say the show doesn't have its rough spots. Sometimes O'Brien needs to just stop talking to Andy and get on with his joke before the flow of his comedy is lost, and it's not uncommon for various videos to come off more dumb than funny.

But there's something innately exciting that *Conan* brings to the table that makes viewers overlook the flat jokes, if only because they can count on the next impression, sarcastic remark or flailing dance to be twice as funny.

If you just give The Ninja Ninja a chance, you will never want to leave his dojo again.

Conan airs on TBS Monday through Thursday nights at 11 p.m.

Peabody Dance marries music and dance

Dancers highlight ballet, contemporary, and hip hop

By WHITNEY JANIS
Staff Writer

On Saturday, Peabody Dance presented its 2011 spring choreography showcase, "Percussion, Live Guitars and a Dash of Hip Hop."

Turnout was considerable to see Hopkins dance groups perform and attendees seemed genuinely excited for the event.

The performance featured new choreography from various Peabody Dance instructors, covering a broad range in styles from classical ballet to contemporary to hip hop.

The show opened with Carol Bartlett's "Mantra," a contemporary piece that according to the program, "explores the universality and symbolism of spiritual support."

A lone piece of green and blue fabric was the scenery, which coupled with the lighting design served to perpetuate a natural, forest-like atmosphere.

The piece featured live music by Peabody musicians Kei Maeda, Terrence Sweeney and Georgi Videnov.

Seven dancers in flowing pink tops executed choreography with great precision and control.

Whether dancing in unison or uniquely intricate partner work, the dancers successfully portrayed the "symbolism of spiritual support" in the natural world.

Guest dancer Christine Buttorff performed as a soloist in Meredith Rainey's "Caged," set to a pre-recorded Ave Maria.

Buttorff's impeccable technique and stage presence engaged the audience immensely.

Although her movement appeared limited due to her costume — an striking ankle-length, deconstructed skirt — her performance quality was in no way hindered.

Following the solo was Bartlett's "Sunny Side Up," another contemporary piece reminiscent of "Mantra," featuring several dancers in black leotards, black tights and decorative green sarongs.

The piece was a welcome change from the moody atmosphere. It was a light and pleasant

offering after Rainey's heavy and complex "Caged," even if certain formations and transitions were a bit sloppy.

Rounding out the first half of the show was Bartlett's "East L.A. Phase."

Quartet 218, Peabody Conservatory's guitar ensemble, served as the live music accompaniment.

Quartet 218 performed an eponymous composition by Wayne Siegel.

The musicians performed effortlessly and with incredible skill, mirroring the technique and accuracy of the dancers.

Soloist Cyndal Gilmore opened the contemporary-meets-street jazz piece with movement, displaying expert grace and fluidity.

Three other dancers soon joined her to finish the performance with an engaging pas de quatre (quartet).

Classical ballet introduced the second half of the performance with Rainey and Laura Dolid's "Divertissement."

Organized into three sections, "Divertissement" featured

music by Francis Poulenc, Joseph Haydn and Pyotr Ilyich Tchaikovsky.

Piano soloist Soyea Moon played Haydn's Piano Sonata No. 59 in E-flat Major, III live for the second section.

The piece not only showcased the classical ballet technique of Peabody dancers who danced en pointe, but also that of Amy Houlihan and Eric Troupe, two guest dancers from Pennsylvania Ballet II.

Peabody dancers introduced the piece with a clean, well-executed variation, followed by Houlihan and Troupe performing solos and duets.

Houlihan's long lines and effortless facility made her a pleasure to watch.

Troupe performed an array of turning leaps and fouetté à la seconde, yet his confidence, level in his own dancing and technique was lesser than his partner's.

"In the Mix, Ballet Meets Hip Hop" was a playful duet, showcasing these two opposing styles.

A young ballerina (Irina Randrianarivelo) and a young hip hop dancer (Logan Paschall) collided, conversed and integrated their dance style onto the other.

Choreographed by Bartlett in collaboration with Paschall, the piece proved to be a great crowd pleaser.

Randrianarivelo conveyed all the innocence of a young ballerina through pantomime without overacting in addition to holding her own during the hip hop sequences next to Paschall's precise isolations.

Their interactions on stage were well received and very cute.

Closing the showcase was Rainey's "Upon the Point of Intersection."

Set to violin music composed by Michael Nyman and featuring both Rainey and Buttorff, the contemporary ballet truly demonstrated and utilized the en pointe skill level of the most advanced Peabody dancers.

Rainey and Buttorff performed mainly as a duet, exhibiting beautiful lifts, which would have been even more spectacular if only they were held a little longer.

Peabody soloists included Gilmore, Maia Draper-Reich and Anika Richter. Draper-Reich's intricately difficult footwork and stage presence made her a particular standout.

Peabody Dance produced an ambitious and exciting show with a variety of interwoven dance styles.

Live music and guest dancers were a great addition, but the prowess of the Peabody dancers undoubtedly took center stage.

Hopkins Film Fest screens classic French film *Pierrot le Fou*

By SARAH SALOVAARA
Staff Writer

Shriver Hall underwent a dramatic facelift, as the auditorium was lucky enough to serve as the site of the annual Johns Hopkins Film Festival. Curated and organized by the JHU Film Society, this year's theme of "intersecting arts" featured panels, short films, documentaries and all around classics.

This writer decided to try something new, and joined students and visitors alike for Saturday's showing of Jean-Luc Godard's *Pierrot le Fou*.

It's not difficult to understand why the Film Society selected it for the festival, though co-President Joshua Gleason's admission that being in the same room as the 35 millimeter reel gave him chills might have had something to do with its selection as well.

Practically a geyser of quotable lines, Godard most adequately sums up his own oeuvre with, "All you need to make a movie is a girl and a gun." The 1965 film *Pierrot le Fou* is no exception to the creed. Although Godard's approach may be formulaic, the resulting film is supremely unique.

Jean-Paul Belmondo had played a Humphrey Bogart-obsessed criminal in Godard's debut *A Bout de Souffle*, but in this film stars as Ferdinand, an unhappily married and recently laid-off member of the bourgeoisie. After mingling with insipid attend-

ees at a party, his disillusion and boredom drive him to run away with the babysitter and ex-lover, Marianne.

Anna Karina, who plays Marianne, also collaborates with Godard as actress, muse and even ex-wife. In the 1964 film *Bande à Part*, she was a naive accessory to a theft, but in *Pierrot le Fou*, she plays the puppet master despite her lovesick act.

After Marianne and Ferdinand arrive at Marianne's house, the camera pans over a man lying on his stomach with a pair of scissors lodged in his neck.

It isn't until Ferdinand and Marianne flee from two Algerian gangsters that the audience learns what is at stake.

Ferdinand and Marianne escape Paris in the dead man's car and head for the Mediterranean. They decide to ditch their vehicle as the mood strikes them, and burn it alongside two crashed cars and the mangled bodies of their drivers.

Marianne soon grows bored of their quiet lifestyle on the Riviera since she is left to walk along the shore in her only dress while Ferdinand reads and writes with his parrot. Marianne is only happy when she is raising hell; she eventually convinces Ferdinand to return to town.

Incidentally, their pursuers have followed them there and the movie enters its final act with a plethora of heists, duplicity and

(as usual) more guns and more bodies.

There is nothing conventional about the way Godard makes his movies and to say they are inventive or "before his time" is a gross understatement.

For 110 minutes, Godard expects you to play by his rules and leave reason at the door. You are not meant to wonder why Marianne only calls Ferdinand, "Pierrot," despite his objections, nor are you to question the pair's mid-forest wardrobe changes without a suitcase or spending money at any point. The protagonists are driven by impulse; they have no real conscience.

Godard, however, is more calculating in his role. He breaks the fourth wall, exposing cinema for the "beautiful fraud" that it is, occasionally cutting the film score once the key is pulled out of the ignition.

"Make it convincing," Marianne tells Ferdinand. "This isn't a movie," she says as Godard winks at us from behind the camera. He literally strips partygoers down to convey their self-absorption. His dialogue manages to provoke thought while simultaneously exposing the irony of it all.

He can be political about Vietnam and then turn it into the butt of the joke as seen when Ferdinand and Marianne put on a play for American tourists.

Moreover, no director packs as many art forms into a single film as Godard.

He trades his actors' faces for Picasso paintings and neon signs; he liberally includes literary passages and musical numbers; and he cranks up the audio on the surrounding sounds.

In between tracking shots, the pace quickens to such an extent that it challenges you to keep up. The climax transpires within a matter of moments and may leave some wondering what the point was.



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Godard's *Pierrot le Fou* experiments with different artistic mediums, not just film.

ARTS & ENTERTAINMENT

NEW VIBRATIONS

ARTIST
Scattered Trees
ALBUM
Sympathy
LABEL
Roll Call/EMI
RELEASED
April 5, 2011

A deluge of blasé releases — including Cold War Kid's regrettably mediocre *Mine is Yours* — have indie megafans restlessly itching for a new fix. But don't waste your time scouring Pitchfork reviews for the next big thing.

Scattered Trees, the most exceptional up-and-comers you've never heard of, are quietly ascending the ranks while industry heavyweights struggle to regain footing. Their secret?

To put it plainly: they're real. Sure, anyone can fake fame — just ask Kesha — but no amount of glitzy sex appeal or hipster navel-gazing can replace sheer, unadulterated talent. The EMI-signed Chicago based sextet, helmed by lyricist Nate Eiesland, fervently reminds audiences that mainstream doesn't necessarily reign supreme, and that music-makers need only "leave blood on the stage emotionally" to leave listeners reeling.

Scattered Trees' sophomore album, *Sympathy*, released April 5, is a nine-song "labor of love" penned in memory of Nate Eiesland's father, whose sudden passing prompted the band's reunion in 2009. Yet unlike *Heart of Glass*, the Trees' low-profile 2007 debut, *Sympathy* wears its trage-

dy on its sleeve, boasting fragile, albeit exquisitely-crafted melodies trembling with bereavement. Helpless yes, but hopeful, too, it immortalizes Eiesland's fragile portrait of love, loss and resilience in ways that might not place Scattered Trees on the charts, but nevertheless remains wildly compelling.

"This record is an attempt for me to be able to tell my father's story and make him 'forever' in a way," Eiesland has said. "If I can make something of value that people can pour themselves into, it has the possibility to hopefully never end. It's the one thing that I could think of to do to honor his memory."

True to form, *Sympathy* opens with "Bury the Floors," a sparse, tenderly-sung atmospheric ballad that echoes from wall-to-wall with an unheard howl.

"It's the house that I built you to fall," Eiesland sings. "We started to walk then we stood up to crawl." Its no-frills brilliance recedes into "A Conversation About Death on New Year's Eve," another lush standout threaded with intricate melodies, raw lyricism and the specter of loss.

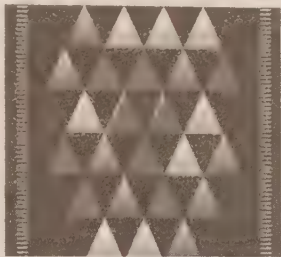
The deceptively up-tempo "Four Days Straight" — studded with vibrant riffs and percussive beats — packs an evocative punch, briefly lifting *Sympathy's* downcast overtones. "Oh no! We both have broken hearts," Eiesland barks. "Yours just took you away."

But it's *Sympathy's* first single, "Love and Leave," that truly dazzles, blending the Trees' trademark eclecticism with child-like

fragility. Eiesland's harmonies, hushed as they are, swiftly evolve into a fractured masterpiece, brimming with helplessness. "I'm crazy, I'm crazy," Eiesland screams desperately, at its height. "I'm going crazy." It's inexpressibly heart-rending, the loveliest of elegies, and very certainly secures its place as one of the best "off-the-map" songs of 2011.

While *Sympathy* loses momentum over its latter half — particularly in heavy-handed tracks like "I Swear To God" and an off-kilter "Where You Came From" — it maintains a muted sense of poise.

The intricacies of "Love and Loss," frequently mined by mainstream musicians, are explored in new dimensions here, with unusual audacity. Yet for Scattered Trees, the returns have been enormous.



"Sonically, I think we are becoming more brave than we ever were before. We are using some more sparse arrangements, which is a vulnerable thing to do when you have six people standing on a stage, but we still like to explore the cinematic side of our music as well."

All in all, the Trees' bold experimentation yields poignant results, with *Sympathy's* tracklist neatly mirroring the stages of grief — as Eiesland puts it, "its build up, release, and recovery."

While hardly a crowdpleaser — the greatest never are — it's sure to gain visibility as a cult favorite in indie circles.

— Sonia Tsuruoka

ARTIST
Britney Spears
ALBUM
Femme Fatale
LABEL
Jive
RELEASED
March 29, 2011

Britney Spears' seventh studio album, *Femme Fatale*, has been one of the most anticipated albums in recent months. Between leaks of songs online and the weekly countdown courtesy of Perez Hilton, the buzz about *Femme Fatale* was more along the lines of a roar. But does the album live up to its expectations?

The album starts off strong with "Till The World Ends" and "Hold It Against Me." These songs are sparkly, sexy and filled with an obvious and open erotic charge; in "Hold It Against Me," for instance, Spears sings "Cuz you feel like paradise, and I need a vacation tonight."

Both these songs are very catchy — one can already imagine teenage girls dancing to them at their sweet sixteen parties, as scary as that image might be. The opening tracks of *Femme Fatale* belong more in dance clubs in Hollywood, Las Vegas and New York but they are bound to be played frequently in both places.

The success behind Britney's songs is the mega-producer team

of Max Martin and Lukasz "Dr. Luke" Gottwald. Together they manage and handle all of the Auto-Tuning and dance beats in many of Spears' songs.

The thing that makes Spears' album successful, however, is also the exact thing that tears it apart. The modified and artificially generated sounds bring excitement and energy to the songs, but Spears' vocals are lost in the mix.

All the production makes her voice sounds hallow and empty. *Femme Fatale* showcases the technology and ingenuity of the two mix masters, but by making Britney's voice sound extremely weak, the overall quality of the album is reduced.

Considering the amount of electronic aid in the recorded versions of the music, it wouldn't be surprising if Britney used vocal and electronic help live as well. That said, it should be noted that Britney's performance on *Good Morning America* the day her album dropped, was an entertaining spectacle and in a word, great.

Despite these seemingly technical setbacks that tend to occur in the recordings, Britney is still Britney. *Femme Fatale* is far from a failure. "Till The World Ends," "Hold It Against Me" and "I Wanna Go" are electrifying hits and some of my favorites. "How

I Roll," "Selfish" and "Criminal" all had entertaining lyrics.

In "How I Roll," for instance, Britney sings, "I want to go downtown where my posse's at, because I've got nine lives like a kitty cat." In "Criminal," she sings, "Mamma I'm in love with a criminal, and this type of love isn't rational, it's physical." Who would ever say that to her mother? Either way, the lyrics are pure fun.

Some songs worth skipping. "Big Fat Bass" which features William from the Black Eyed Peas, is a disaster. Britney is overshadowed by William, even though the only bit he sings is the repeated phrase, "Big Fat Bass." It turns out to be a little bit messy. In addition, the album's final song, "Don't Keep Me Waiting," is a weak note to end on, as it is very '90s-esque and doesn't really fit in with the modern and techno-dance feel of the rest of her album.

Overall, *Femme Fatale*, is a good album. The songs are fresh and fun — perfect to listen to while getting ready for a night out, or even in the morning while prepping for a school day. Pop fanatics will be playing the album on a daily basis.

Recommended Tracks: "Till The World Ends," "I Wanna Go" and "How I Roll."

— Emily Cheung



Witness puts on show for friends and fans

Series of student one-acts display Hopkins talent at the ubiquitous Arellano Theater

WITNESS, FROM B3

single, overlapping account and the audience is left wondering if there were three women at all.

The perfect marriage of writing, directing, and acting, Three Ways About It chilled one to the bone with its unflinching appraisal of insanity.

The showcase ended on a much lighter note with junior Jake Appet's time-hopping one-act, entitled *Thomas and the Time Machine*.

A complicated and somewhat convoluted tale that included an Asian Miley Cyrus (played by sophomore Anne Jun), a mad scientist named Johnny (sopho-

more Oliver Roth), and assorted "Robo-Police Officers" (White, Reisner, and freshman Brandon R. Weber).

Freshman Benjamin Ketter plays the title character Thomas, whose breakup with Miley Cyrus sends him into a depressed funk.

He enlists the help of his friend Johnny, who tries to send him into the past so he can sleep with Miley one last time.

Instead, Thomas winds up in a futuristic prison cell with inmate Jeff-ron (played by the playwright, Appet).

Though amusing, the play

could have benefited from a few more edits. Appet shows little restraint and instead throws the unfiltered products of his considerable imagination into the narrow confines of one act.

Despite the number of one-acts, the entire showcase lasted a little under two hours and the cast hung around afterwards to chat with friends and fans of the theater.

All in all, Witness' Spring Showcase could be considered a success for all involved and the talents of Hopkins or Hopkins-affiliated artists were aptly showcased.



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Maurice Ravel, pictured here, was just one of the composers featured by the Hopkins Symphony Orchestra this past Sunday.

HSO plays mix of chamber music

By ISAAC BROOKS
Staff Writer

The Hopkins Symphony Chamber Orchestra performed another great chamber concert last Sunday. A sizable audience filled the intimate Second Decade Society room in the Mattin Arts Center.

The first half of the concert showcased several short pieces for solo piano and a viola-cello duet, while the second half was devoted to Maurice Ravel's Introduction and Allegro Harp Concerto and Mozart's Piano Concerto No. 20 in D Minor.

Though not spectacular, the concert was well-played and very entertaining, as good as could be expected for a mid-semester performance.

The first half of the concert — the pieces of which were not advertised prior to the performance itself — seemed hastily put together to lengthen the entirety of the show. The pieces were disparate and failed to fit well together.

The first pieces were two short Schumann miniatures, played by Hopkins Symphony Orchestra conductor Jed Gaylin.

Gaylin openly admitted he had been asked to play the piece with very short notice, and it sounded that way. The music was still good — as Schumann tends to be — but it did not make for an impressive opening to the concert.

Following Gaylin was a duet by Malinda McPherson (viola) and Philip Wolf (cello), playing the first movement of a Duo for Viola and Violoncello by Walter Piston.

This duet was the best of the shorter pieces, as McPherson and Wolf are very talented performers who work well together.

The Piston piece was fresh and interesting, a heavily contrapuntal piece that was somewhat modern and chromatic, but neither dissonant nor hard to listen to.

The last of the shorter pieces was Liszt's Transcendental Etude

No. 10 in F Minor, a solo piano piece played by Hyun-Sun Seo.

Seo is a very talented performer as well, and played the extremely difficult piece impeccably. However, the piece was interesting more for its difficulty than for any musical reason.

It consisted of little melody and many embellishments. Particularly coming after the Piston, it sounded like a cacophony of scales and arpeggios. It seemed that such a piece did not belong in this performance.

It was only after intermission that the concert really began, with a rendition of Ravel's Harp Concerto. Iraida Poberezhnaya played the harp, and did so wonderfully.

The orchestra was no less impressive, however, and performed admirably under the baton of Vladimir Lande.

The piece opened with woodwinds, followed by the other voices entering one by one.

The harp accompanied the orchestra with broken chords and multi-octave strums (glissandi), embellishments that are longstanding staples of the harp, and for good reason.

The harp's role for most of the piece was primarily of harmonic accompaniment, with only a few short solos.

The harp being a quiet instrument, its solos were intimate moments, and they sounded beautiful in the small room. The orchestra's accompaniment was subtle but lovely.

The orchestra carried the melody for most of the piece, but at the end the harp took on the orchestra's melody for an extended solo.

When this happened, Poberezhnaya showed off the harp's power in being able to have the individual notes of the melody vibrate through the thick yet soft texture of the harp's chords.

An orchestral echo to the harp followed by a cadence of all the instruments together punctuated the piece.

Whereas the harp concerto was soft and intimate, the Mozart Piano Concerto established quite quickly that it was anything but.

The work started off dark and strong; brass instruments and percussions, which were absent in the harp concerto, accentuated the strength.

The power of the Mozart piece was made all the greater by its contrast to the previous pieces in the concert, and sounded downright frightening.

Just as suddenly, however, the piano took over with a much more intimate melody, played to perfection by Marika Bournaki.

The dialogue between piano and orchestra continued throughout the piece, each piano solo ending with the boom of the timpani taking over, handing the melody to the orchestra.

The second movement featured a slower, more romantic melody, with thinner texture and more ability to appreciate the individual notes of the music.

This movement had much emphasis on the piano, with the orchestra for the most part merely accompanying Bournaki.

The final movement returned to the strength of the first, featuring constant interplay between the piano and orchestra and ending with a final joint cadence.

The orchestra played all pieces well, and the concert was entertaining. But we've seen better from the HSO.

The orchestra wasn't dazzling. For the central pieces, it played concertos in which it was the accompaniment to the soloists.

Most likely the HSO is busy preparing for its Symphonic Concert on April 17, in which it will really show off its overall capabilities.

The orchestra will be playing Mahler's Symphony No. 5, a technically difficult but epic work which should demonstrate what the orchestra can do with pieces that are worthy of its skill.

Figaro Project performs operettas

By FLORENCE LAU
Your Weekend Editor

After a successful first season, The Figaro Project, an opera troupe dedicated to creating performance opportunities for emerging opera singers, is back for more. In a culmination of their second season of performances, they moved away from classical opera this year, and on Friday, premiered a set of three contemporary operas with scores and libretto all by Baltimore-based composers.

The evening began with Paul Mathews's "Piecing it Apart," a crime drama about affairs and what happens to those affairs when pregnancies complicate them. The story revolves around Dylan (Andrew Spady) and his secret love affair with Janey (Caitlin Vincent) which ends in a tragedy.

As obvious from the subject material, this was a very emotion-heavy show to start the evening off with, but it hooked the audience and kept them on their toes. One was left with the feeling of wanting to know what would happen next, and although it was an opera, it was as captivating as a spoken show. There wasn't one actor who didn't shine as much as the others.

However, the show was performed in a small space, and the actors didn't have mics. It was

hard to understand some of the lyrics in the extremely high soprano arias sung by Vincent, and when she and Spady performed duets, the audience could hardly hear Spady over her.

The tension of this first piece was offset by the second show of the evening, "Lux et Tenebrae" by Douglas Buchanan. This show was much more charming — a creation story about how the world was created by a Child, and the defeat of light over dark.

The actor who stood out was Jason Buckwater, who played three different roles. The characters were all extremely different, but Buckwater was able to differentiate among them not just through his voice, but also in how he stood and the way he held his body. He was especially notable as the Wolf; the way he walked around the stage gave the feeling that he was stalking the Child, and the audience could easily transform him into a four-legged animal despite the fact that he stood on only two legs.

The final show of the evening was a light political comedy to offset the more serious shows. "Strong Like Bull" by Joshua Bornfield centered around 1917 Russia, where liberal lawyer Alexander Kerensky (Nathan Wyatt) and conservative general

Lavr Kornilov (Peter Drackley) struggle for power while being manipulated by puppeteer Vladimir Lvov (Jessica Abel).

Wyatt was the star of the show, hilarious when he was stumbling drunk through the audience, allowing the audience to see the lust for power in his eyes. He, like Buckwater, threw himself into his character, and it was clear to everyone watching.

Overall, all the music that evening was extremely "modern," meaning that for the most part, there was an atonal feel to the whole thing. There wasn't a melody; one couldn't walk out humming the songs in any of the operas, except for a few small parts within each show. It worked to represent speech, but was a bit jarring for anyone expecting more melodic lines.

The simple underscoring of a piano (and some strings in "Lux et Tenebrae") helped to set the scene with music; every time the scene changed, there would be a new mood shift in the music.

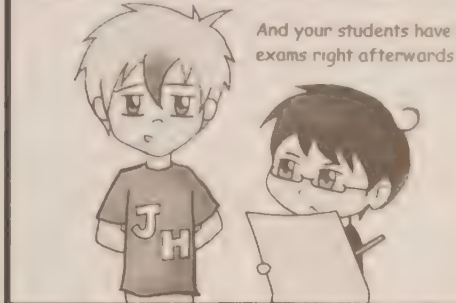
The composers have indicated that they are planning further revisions to each of their shows and want to send them out to other opera companies. They will undoubtedly be successful, judging from the reactions by the audience during this first premiere.

CARTOONS, ETC.

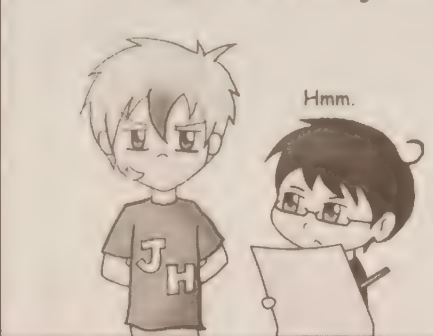
Blue Jay Brigade

By Kevin Stoll Li

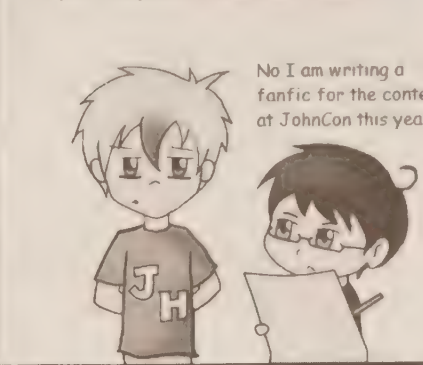
The Cherry Blossom Parade and JohnCon are this weekend, the Spring Fair is next weekend, and Homecoming is at the end of the month, very busy this time of year.



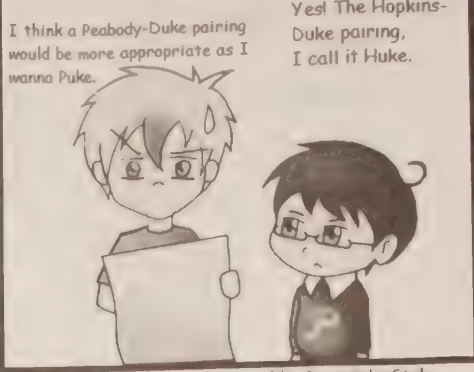
Oh yes, this is my way of luring them into a false sense of security then...
BAM!!! I deflate their grades.



By the way what are you doing Peabody? Are you composing some more music?



Why the hell am I spooning... What!? A yaoi about Duke and me?



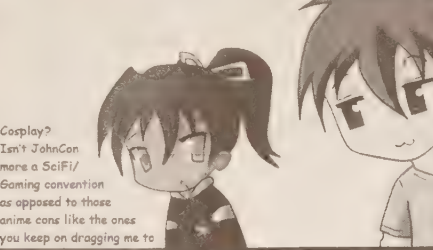
*Yaoi is the boy love genre in Japanese fiction usually used a lot in fanfics usually involving two male characters like Harry and Ron or Stan and Kyle. It is horrible. Pairing names are created by mixing two character names like Star+Kyle=Style

HOPKINS EASILY LIVING LIFE

Aww man, lacrosse season is almost over and I didn't get to see a single game. How's Hopkins doing this year by the way?

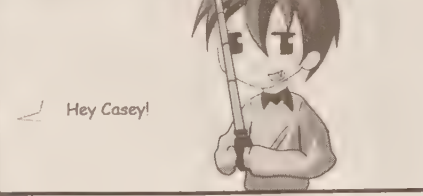


JohnCon is this Friday, have you decided on your cosplay?

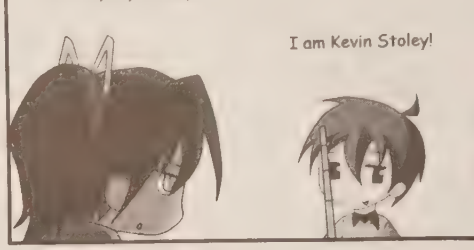


*Cosplay = costume play, dressing up like your favorite comic or anime character

Where's Jess? She said she would be here at JohnCon.



Who are you suppose to be anyways Casey?



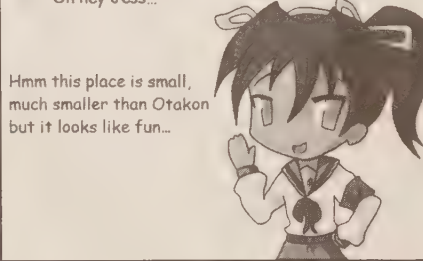
You know I think our mascot is out of date. I have a better idea to motivate the team.



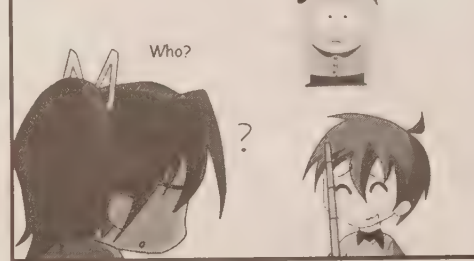
Yeah but any excuse to cosplay is a good one! Every year I prepare my cosplay costumes ahead of time for the con season. Anime Expo, San Diego Comic Con, Otakon, I have all different outfits for all of them ranging from comic superheroes to anime characters



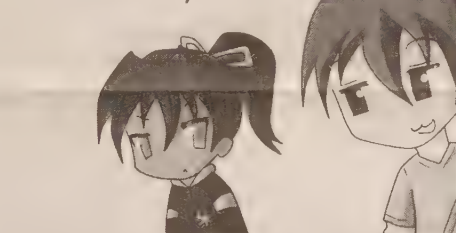
Oh hey Jess...



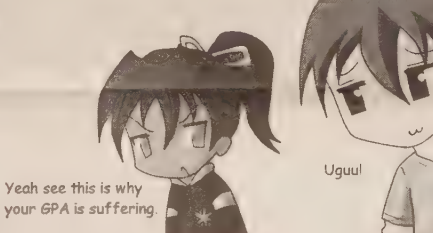
Who?



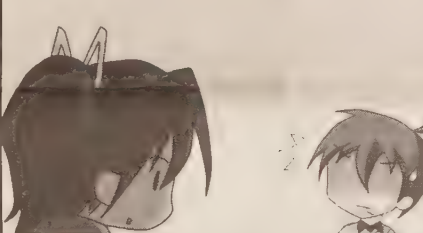
We should fly in with an F-16 painted like a blue jay and shoot rocket lasers at the opposition.
Go Blue Jays!



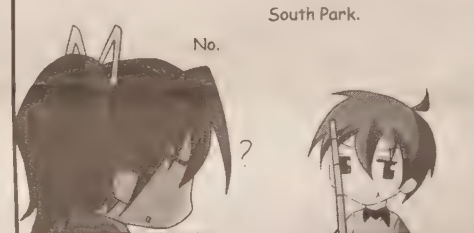
Yeah see this is why your GPA is suffering.



What?



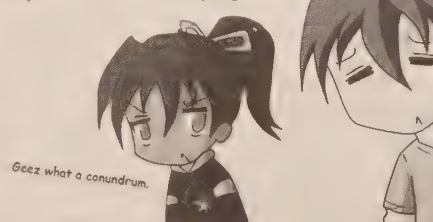
You know that Chinese Star Wars fan from South Park.



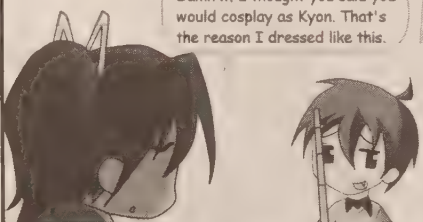
Yeah life isn't like in your little fantasy. Get back to reality, you're at Hopkins.



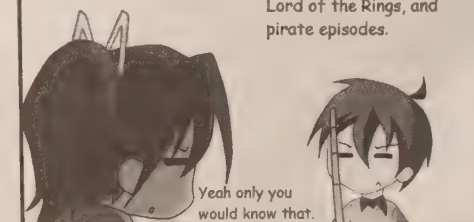
But sadly I just spend the last bit of my allowance on putting together this outfit for JohnCon and now I have no more money for deep fried Oreos at the Spring Fair.



Oh god you're dressed as Haruhi! But on a tsundere like you it's not very moe.



He was in the dodgeball, Lord of the Rings, and pirate episodes.

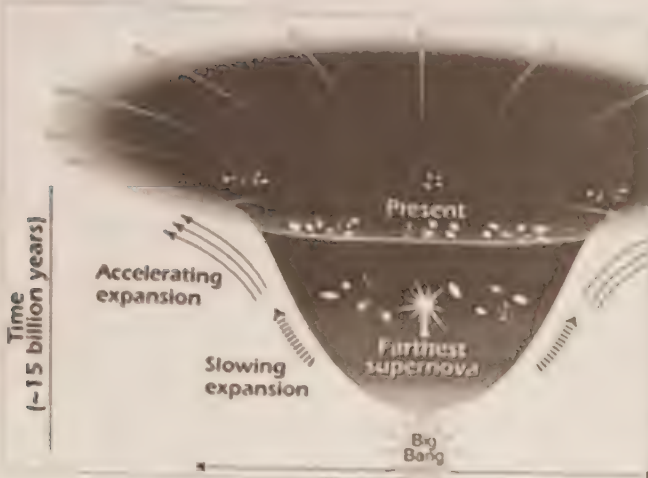


JohnCon
2011
April 8th thru 10th
Levering Hall - Glass Pav

Open **48 Hours**
Friday, Saturday, Sunday
Panels, Dealers, Artists
24 Hour Gaming & Anime
Saturday Night Rave!

Cartoons will have a booth set up at JohnCon. We will be selling comics and drawings. See you there.

SCIENCE & TECHNOLOGY



The cosmic bubble hypothesis proposed that the universe is expanding relatively slowly.

Cosmic bubble theory for dark energy disproven

By **VIVEK SINANAN**
Staff Writer

A team headed by Adam Reiss of Hopkins and the Space Telescope Science Institute has eliminated an alternative theory to dark energy, the phenomenon believed to be responsible for the constant expansion of the universe.

Dark energy became the term used to describe the mysterious force that was acting in opposition to the pull of gravity, causing galaxies to slowly move away from each other.

Using NASA's famous Hubble Space Telescope the scientists calculated the rate of expansion of the universe with an unprecedentedly low 3.3 percent uncertainty, 30 percent smaller than the next best estimate made using Hubble measurements two years ago.

They calculated their measurements by observing changes in light intensity from distant stars. These stars were used as "cosmic yardsticks," since their luminosity corresponds to how far they are from Earth, and changes in their luminosity can be used to calculate how fast they are moving away from Earth.

The researchers calculated that rate of expansion to be 73.8 kilometers per second per megaparsec. This means that for every additional million parsecs (equal to 3.26 million light-years, or the distance light travels in 3.26 million years) a galaxy is from Earth, it appears to be moving away at a rate of 73.8 kilometers per second.

This number effectively debunks the cosmic bubble hypothesis for the expansion of the universe. The cosmic bubble hypothesis proposed that a bubble of relatively empty space, approximately eight billion light

years across, exists in the vicinity of our galaxy, the Milky Way.

Because the bubble is less dense than the universe around it, it would expand at a much faster rate. To an observer in the bubble, or in the close vicinity of it, this would create the illusion of a rapidly expanding universe.

However, the bubble theory relies on two variables. First it requires Earth to be positioned close to the bubble to explain why astronomers have always observed the universe as expanding. In a press release by NASA, Lucas Macri of Texas A&M University stated that the chances of Earth being situated close to the bubble has a "one in a million chance of occurring."

Furthermore, the bubble theory requires the rate of the universe's expansion to be much slower than that calculated by Reiss and his team from SHOES, the Supernova H0 for the Equation of State — about 60 and 65 kilometers per second per megaparsec. This is well outside the 3.3 percent range of uncertainty.

The bubble theory was proposed after the initial discovery of dark matter by Reiss and others in 1998. At that time scientists believed that cosmic expansion was in decline, due to the gravitational pull that individual galaxies would exert on each other.

But when observing distant Type Ia supernovae — the release of light energy that occurs upon the death of a star — Reiss realized that they were dimmer than expected.

The decrease in intensity implied that the supernovae were moving farther away from Earth at a faster rate than previously thought. Reiss therefore hypothesized that the only explanation for this occurrence was that the rate of expansion had sped up in the recent past.

Researchers direct cellular reactions with light

By **MO-YU ZHOU**
Staff Writer

Hopkins researchers have refined a technique for manipulating individual molecules within living cells, allowing them to control where they are moved to at a specific time.

Their findings, published last Dec., give scientists greater control than ever before over moving around molecules and thus influencing cell behavior and growth.

The movement and communication of a single molecule within a cell can help scientists investigate how the cell changes shape, divides or grows. The technique involves using light to specify where proteins should be delivered within a cell.

"This is somewhat similar to GPS coordinates," said Takanari Inoue, assistant professor of cell biology and member of the Center for Cell Dynamics in the Institute for Basic Biomedical Sciences. Delivering these specific proteins enables the control of cell behavior.

Also involved in the experiment were Tasuku Ueno and Christopher Pohlmeier of Hopkins, and Tetsuo Nagano and Nobuhiro Umeda of The University of Tokyo.

"The field of cell biology has seen remarkable progress in the last 10 years due to the emergence of fluorescence imaging," Inoue said.

Fluorescence imaging has shown the importance of the organization of molecules for cell mechanisms. Until now, howev-

er, experimental tools have been limited because it was difficult to perturb cells in such a small space in a limited amount of time.

These challenges had been acknowledged by Inoue and his fellow researchers prior to the experiment.

"Many molecules move very rapidly inside and outside cells due to what is known as molecular diffusion," Inoue said. "So it was a pleasant surprise to see that the experiment worked out nicely."

Their success can be at least partially attributed to their use of light, which is easy to control and allows for the manipulation of very small regions within cells. Specifically, the researchers attached a light-triggered chemical to a molecule.

Shining an ultraviolet light onto the molecule caused the bond to break, allowing the chemical to force two specific proteins to act where they normally wouldn't. The researchers took advantage of this unusual interaction by using it to transport proteins to specific locations.

The proteins to be mingled



Hopkins scientists used ultraviolet light to manipulate and move specially constructed proteins in living cells.

were then attached to special molecules, one of which sent the proteins to the edge of the cell and another of which sent ripples from the edge of the cell. The function of the latter was so that the experimenters would know if and when the proteins were interacting.

Next, the modified proteins were placed inside human skin cells and treated with the light-triggered chemical. After shining a UV beam on 10 percent of the edge of the cell, the researchers found that the ripples only appeared around where the light was directed, suggesting that the chemical tool could

be used to move cells to a precise location.

In fact, Inoue suggests that in larger cells, this tool could be used to monitor as little as one percent of the cell.

This study speaks to a question that has preoccupied scientists in the cell migration field for a long time: how cells, even when in a uniform environment, tend to break symmetry.

According to Inoue, their results will help us understand the significant roles cell migration plays in diverse situations, including immune response, wound healing and organ development.

Miller's pre-biotic soup was missing sulfur

By **MALI WIEDERKEHR**
Staff Writer

Researchers recently revisited Stanley Miller's work and discovered that hydrogen sulfide released from volcanoes contributed to the formation of some of the most primitive amino acids on earth.

Stanley Miller (1930-2007) is notorious for his contribution to chemistry through his work on the primordial earth.

Miller is largely responsible for the discovery that amino acids can be synthesized from simple chemicals present on Earth before life emerged.

Miller's experiments in the '50s showed that when electricity zaps basic chemicals such as water, hydrogen, methane and ammonia, these chemicals combine to form amino acids (molecules that are the building

blocks of proteins).

The electricity used in Miller's experiments stands in for lightning, which is believed to have generated amino acids in the primitive earth.

Recent work on some of Miller's forgotten vials shows the presence of more amino acids than Miller had initially anticipated.

Eric Parker, a graduate student at Georgia Tech, and his team found 23 amino acids, seven other compounds and four amines, whereas the initial analysis of the samples showed the presence of only 10 amino acids.

"When you are analyzing old samples, you always hope in the back of your mind that you are going to find something really cool," Parker told *Wired Science*. "It was a pleasant surprise to see such a large array of different amino acids and amines."

Among the newly discovered amino acids, Parker's team found methionine, which is a crucial building block in animals, plants and fungi.

Another observation about Parker's amino acids is that they are common to the amino acids found in meteorites, implying that sulfur is a key ingredient on other planets as well.

Miller had initially concluded that the "primordial soup" had atmospheric origins, but Parker's work on Miller's experiment suggested that volcanoes played a role in amino acid synthesis by donating sulfur and other chemicals.

"Miller was a real packrat. He didn't throw anything out," Jim Cleaves, a geochemist

at the Carnegie Institution of Washington, Miller's final lab student and inheritor of the lab, told *Wired Science*. "Sitting on the shelf was this box, I thought, 'I don't know what these are, but I can't bear to throw them out!'"

Luckily, Cleaves' decision to keep Miller's materials has led to further developments in this field, which further elucidates the mystery of Earth's beginnings.

Stem cells give insight into schizophrenia and bipolar disorder

By **SAM OHMER**
Staff Writer

A team of Hopkins researchers is striving to change the course of schizophrenia research by giving scientists an unprecedented opportunity to observe DISC1-defective cells directly from patients.

The team, including Cheng-Hsuan Chiang and Guo-li Ming of the School of Medicine, has managed to produce healthy and viable pluripotent stem cell lines for use in future studies of the DISC1 protein without the need to take brain samples from patients.

Previous genetic and pedigree analyses have identified a mutation in the gene encoding the protein DISC1 as a risk factor for schizophrenia and other mental disorders, such as bipolar disorder and affective disorders.

These findings opened up a wide avenue of potential research into the molecular mechanisms involved in schizophrenia and related disorders.

Unfortunately, any molecular research in human patients with schizophrenia is obviously limited by the unethical practice of extracting brain samples from relatively healthy living patients.

Mouse models are of course an ideal alternative, but schizo-

phrenia is a complex disorder, and many of its symptoms are not readily identifiable other than by self-report in human subjects.

Nevertheless, research has continued, though perhaps at a slower pace than if live human cells with DISC1 dysfunctions were readily available for examination.

The stem cells Chiang, Ming and colleagues have created are derivatives of skin cells of schizophrenic patients with known DISC1 mutations and of control patients with neither schizophrenia nor DISC1 mutations.

Importantly, the team's cell lines are integration-free, meaning that no potentially confounding viral vector was needed to reprogram patients' cells back into pluripotent forms.

According to Russell Margo-



Hopkins researchers developed a technique to produce stem cells directly from patients with schizophrenia.

neurology, and director of the Hopkins Schizophrenia Program and an author of the current paper, "Integration-free means that the genes used to change the skins cells (fibroblasts) into stem cells are not inserted into the genome of the cells. They are put into the cell, do their work, and eventually are eliminated from the cell."

"This decreases the chance of artifactual changes. The inte-

gration-free method facilitates understanding the biology of the cell and, in this case, the mutation in DISC1, with less concern that abnormalities that may be detected are from the method of making the cells."

Previously, the use of viral vectors was a major stumbling block for in vitro studies of induced pluripotent stem cells (iPSCs) from schizophrenic patients,

SEE STEM CELLS, PAGE B8



Stanley Miller's experiments in the '50s synthesized amino acids from simple chemicals.

SCIENCE & TECHNOLOGY

Bioethics Day speaker examines U.S. healthcare

By BARBARA HA
Staff Writer

Debates on how the federal and state governments should spend money on healthcare are constantly being discussed by experts on both sides, and this has been the case since government healthcare was first conceived.

This week, Jonathan P. Leider, a Ph.D. Candidate in Health Policy and Management at the Johns Hopkins Bloomberg School of Public Health, gave a talk called "How Much Should We Spend on Health Care?" for the first annual Bioethics Day hosted by the Hopkins Undergraduate Bioethics Society.

The talk focused on the U.S. healthcare system, and aimed to discuss with the audience the various aspects that complicate the healthcare system for providers and consumers both.

The U.S. healthcare system consists of a patchwork of public and private health care systems. The payers in the U.S. healthcare system include Medicaid, Medicare and other providers including employer-sponsored health insurance as well as insurance from the individual market.

"We have a mishmash of payers and providers that form a 'patchwork quilt,'" Leider said. Mostly, the providers consist of private hospitals, practices and clinics.

Interestingly, the only group in the U.S. that gets served by a single payer & provider system is the VA system for veterans.

In the past, state and federal government budget cuts to healthcare funding have led to varying degrees of public uproar.

In the case of Medicaid, how its funds are accrued and distributed depends on both the state and federal government, and can depend on the various needs of



Jonathan Leider discussed the complexities of healthcare policy and looked at the future of an increasingly expensive system

other departments within the government as well, especially education.

"Medicaid is the way we pay for the poorest. The federal government pays for a lot of Medicaid, but it's also the case that the states have to kick up a lot of the money," Leider said. "In many states, Medicaid is one of the biggest if not the biggest money spending, usually behind schooling."

One example cited by Leider showing the complexity of Medicaid and how it can drastically affect individuals was a case in Ariz. where transplants ceased to be covered by Medicaid.

As a result, potential recipients were left without any potential transplants in their medical treatment plan because they could no longer afford it.

Through this change, the state of Ariz. will save \$1.4 million; however, 98 people who were waiting for transplants will not get them unless they can pay for the transplant themselves out of pocket.

Another example included cuts in Texas that would affect home visits of the elderly or disabled. This case brought in more complicated and sensitive issues, such as human dignity and the scope of healthcare.

These examples proved to show the complexity of the U.S. healthcare system and how difficult it can be to appease all sides of the argument; in this case, how could the government allocate funds while best satisfying the demands of each sector of society?

As a potential solution, Leider

suggests that rationing may be the best way to address the issue of U.S. healthcare; however, he is well aware of the reaction that rationing can elicit from the American public.

"It's just the case that healthcare is getting more expensive — faster than a rate that we can keep up with. We will have to make choices in scarcity — which are rationing choices. People don't want to talk about it in this country, but we already do it," Leider said.

However, even this solution brings with it its own set of challenges. One of the classic challenges that is universal to public health issues in this country is whether to offer small benefits to many or large benefits to few.

Medicaid is a prime example of such a dilemma — should we spend \$1.5 million to fund Traumatic Brain Injury (TBI) rehabilitation or use those funds to build a wellness clinic for hundreds of children? Should we dedicate \$120 million for 50,000 substance abuse admissions and their treatment or commit \$400-500 million for all net LHD funding?

Furthermore, what happens when policy makers disagree? In every situation, there are winners and losers, but can policy makers get to a just outcome through a fair process alone? This too is contested amongst officials at all government levels.

Mutated protein affects neurons in schizophrenia

STEM CELLS, FROM B7

due to the presence of disruptive oncogenes present in those vectors.

Although other groups have tried and have even managed to produce integration-free cell lines before, the samples created are often not viable for long term use because of the inefficiency of integration-free processes.

Potential uses for these newly developed iPSCs are myriad. The iPSCs can potentially be made to differentiate into neurons so that researchers can study whole cell in vitro cultures for a better look at the cellular and molecular underpinnings of DISC1-mutated schizophrenia; by comparing DISC1-disrupted cells with similarly derived cells of normal patients, researchers may be able to identify macro-level morphological changes or disruptions in schizophrenia.

"One of our goals," Margolis wrote in an e-mail to *The News-Letter*, "is to use these cells to help understand pathways involved in

Margolis is interested in how the level of DISC-1 expression is affected by the mutation in the gene. "If there is less DISC-1 protein than normal made in the cells with the mutations, it may be possible to understand some of the effects on cell biology of this loss," he wrote.

Other researchers, like Guo-li Ming, associate professor of neurology and senior author of the current findings, want to understand the affect of the mutated DISC-1 on neural development. "These [experiments could] be done by differentiating these iPSCs into neuronal lineages," Ming wrote in an e-mail to *The News-Letter*.

Of course, whatever is done with these cell lines in the

future, the benefits are sure to be numerous; not only may Chiang and Ming's findings usher in a new era in schizophrenia research, but their stem cell derivation techniques may also prove useful for generalization to research on other diseases.

One of our goals is to use these cells to help understand pathways involved in the pathogenesis of schizophrenia.

— RUSSELL MARGOLIS, DIRECTOR OF THE HOPKINS SCHIZOPHRENIA PROGRAM



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In particular, Patients' stem cells can be potentially differentiated into neurons

Cells adapt to shape-changing substrates

Shape memory polymers will improve medical devices and basic science research

By ANN WANG and
JEFFREY SIEGEL
Staff Writers

A research team at Syracuse University has used shape memory polymers to create a dynamic, shape-changing substrate on which cells can be grown.

This substrate, which can switch in texture from grooved to smooth, better mimics conditions found in the body and is expected to have many medical and research applications.

In the body, cells grow on the dynamic, changing surfaces of tissue and bone. Cellular interactions with substrate are known to have significant influence on processes such as embryogenesis, tissue development, intercellular communication and the progression of illness.

However, laboratory studies of cell biomechanics have so far been mostly limited to unchanging, flat surfaces.

"We sought to develop a new tool for cell culture that could actively change its properties under typical cell culture conditions," Kevin Davis, the study's first author, wrote in an e-mail to *The News-Letter*.

"It is known that cells are able to respond to surface topographies in culture, but previously there have been a limited number of tools available that could

actually change their properties while cells were growing on them, making it difficult to study how cells respond to substrate changes or to use substrate changes to direct cell behaviors," he wrote.

The research team took advantage of a type of molecule called shape memory polymers, which could be manipulated to permanently alter their shape by simply changing the temperature.

"These polymers have the ability to be deformed into a stable temporary shape and then later be triggered by an increase in temperature to return to a permanent, memorized shape," Davis wrote. "We programmed our polymer to transition from a surface with micron scale grooves to a flat surface."

The researchers first allowed the cells to attach onto the grooved surface. Then, after the cells had grown for nine and a half hours, they increased the temperature from 30 to 37 degrees Celsius. This temperature increase triggered the shape memory polymers to change to a flat surface.

After allowing the cells to grow another 19 hours on the flat surface, the researchers used fluorescence microscopy to analyze how the morphology of the cells had changed.

"We found that the cells were

able to feel the two different topographies," Davis wrote. "The cells oriented with the direction of the grooves when on the grooved surface. After increasing the temperature, the surface lost the grooves and transitioned to a flat surface. Cells on this surface were randomly oriented."

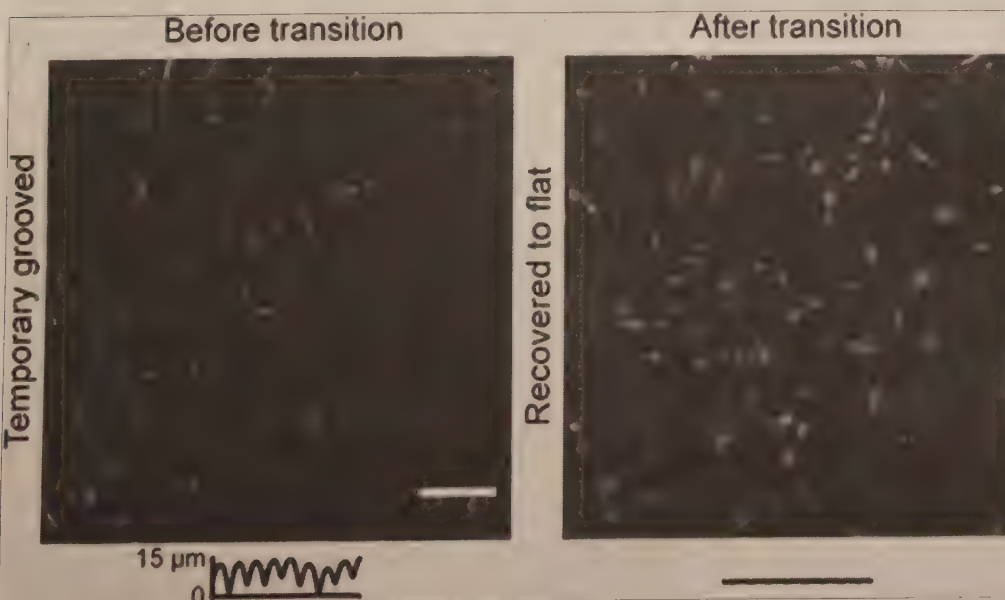
To achieve this change in orientation, cells significantly remodelled their actin cytoskeletons.

Neither the temperature increase, nor the substrate's shape change, decreased the survival of the cells themselves.

The methods developed in the current study are expected to have applications in medical devices, such as the scaffolding used during surgical procedures and in tissue engineering.

Shape memory polymers also have many potential applications in cell biology research. Cell movement, interactions between cells, cell differentiation and cell traction are all processes which are affected by the shape and texture of the substrate.

"In the future, we hope to use the substrates to study the mechanisms by which a cell feels the change in surface topography and to use these changes to direct cell behaviors for tissue engineering and regenerative medicine purposes," Davis wrote.



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The researchers grew cells on a substrate made of shape memory polymers that changed from a grooved to a smooth surface.

Four genes linked to increased risk of suicide

By ANNE MCGOVERN
Staff Writer

Hopkins scientists have discovered a small region of DNA associated with a increased risk for attempted suicide. The study, published in the journal *Molecular Psychiatry*, could lead to better suicide prevention and provide a new direction for research and drug development.

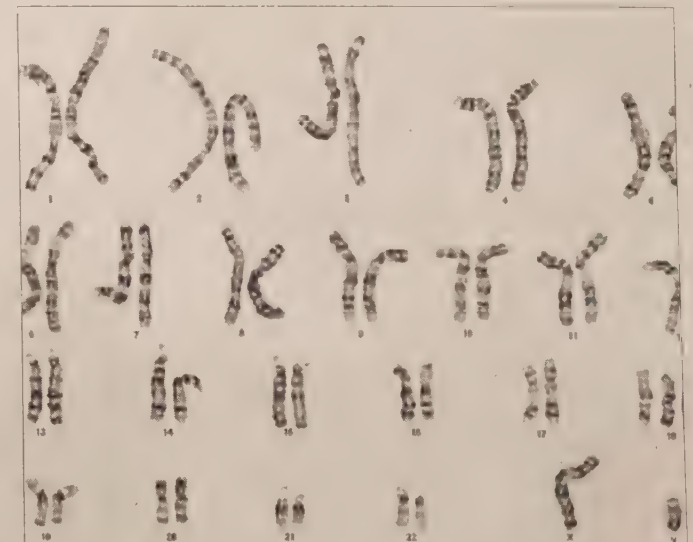
The study was led by Virginia L. Willour, an assistant professor of psychiatry and behavioral sciences at the School of Medicine. Her lab gathered DNA samples from 2,700 patients with bipolar disorder and studied the genetic differences between those who had and had not attempted suicide.

The patients were drawn from the Systematic Treatment Enhancement Program for Bipolar Disorder cohort, the Wellcome Trust Case Control Consortium bipolar cohort and the University College London cohort. Willour and her colleagues identified a small region on chromosome 2 that is associated with an increased risk for attempted suicide.

This small region contains four genes, including the ACP1 gene. Patients with an excess amount of the ACP1 protein in their brains were more likely to attempt to commit suicide.

Those with one replica of a genetic variant in the region of the ACP1 gene were 1.4 times more likely to attempt to commit suicide than those without, and those with two variants were three times as likely.

The ACP1 protein is thought to influence the same biological pathway as lithium, a medica-



COURTESY OF WWW.GENETICS.COM.AU

A small region of chromosome 2 was associated with an increased risk of suicide.

tion known to reduce the rate of suicidal behavior.

"We have long believed that genes play a role in what makes the difference between thinking about suicide and actually doing it," Willour said in an interview with *Newsweek.com*.

Willour and her colleagues were able to replicate their findings in another sample group. This group included more than 3,000 people with bipolar disorder.

By using patients with bipolar disorder, researchers were able to control for mental illness and narrow in on what may cause one group to attempt suicide and another to control those urges.

Nearly 30,000 Americans commit suicide each year. It causes twice as many deaths as HIV/AIDS, and the CDC declared it

the 11th leading cause of death in the U.S.

"Roughly 4.6 percent of the population has attempted suicide at least once," Willour was quoted as saying in an interview with *Newsweek.com*.

Suicide is a widespread occurrence in the U.S., as well as the rest of the world, and Willour believes that her findings are just one stride towards adequately treating potential patients.

The next step in her research is to determine how exactly these genetic differences increase the risk of attempted suicide.

"What's promising," Willour said to *Newsweek.com*, "are the implications of this work for learning more about the biology of suicide and the medications used to treat patients who may be at risk."

New battle begins in browser wars

New changes to Microsoft's Internet Explorer make it comparable to other internet browsers

This week I would like to go over some new changes in the tech world become before diving into the main feature of this article: the release of Internet Explorer 9 and Firefox 4.

Recently, the tech world has been abuzz with a rather broad array of developments, aside from the commotion caused by the release of Internet Explorer 9 and Firefox 4. Google's co-founder Larry Page became the new CEO of Google on April 4, taking over from Tim Cook. Over the next few months, we will see how that pans out.

Acer's CEO also stepped down recently amid conflicts over the future direction of the company. Acer will now be "more like Apple, less like HP." It will be interesting to see how this brand will change its image and discard the cheap label.

In mildly related news, Google has also been busy with its proposed gigabit network that it plans to build in Kansas City, Kan. The company chose Kansas City over Topeka, Kan. This is ironic if we consider that Topeka had changed its official name to Google, Kan.

Gmail also had a nice April Fool's Day gaff with the introduction of Gmail Motion, which will purportedly use body gestures to compose and send e-mails. It was just crazy enough yet plausible enough to be something that Google would do.

Panasonic made a splash with the release of the first rewriteable 100 gigabyte Blu-ray XL discs. Though, to be honest, portable hard drives have far outpaced optical media at this point, and flash drives are steadily climbing in size.

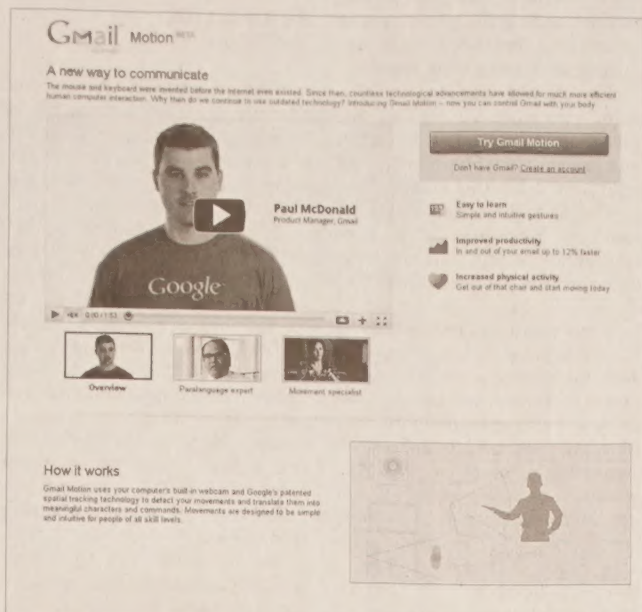
Speaking of Blu-ray drives, the entire Star Wars saga will be released on Blu-ray on Sept. 16 later this year, for the truly fanatical.

Tech news would not be complete without some Apple rumors. Sources claim that the next generation iPod Nano will, once again, be adorned with a camera. The camera was removed from this generation's Nano, but it appears as if Apple may be reconsidering that decision. Furthermore, Sony's CEO let slip that they were manufacturing cameras for Apple.

This was a rather important piece of news because Sony had been widely speculated to be the source of Apple's cameras. This fact, however, could never be confirmed.

Of course, Apple can never be left alone. Everyone wants to be the new Apple of the industry. Amazon has recently pre-empted Apple and is offering a new service called Amazon Cloud, giving all users 5 gigabytes of free space to stream data from. This includes both music and media. If you buy an album of music, you get bumped up to 20 gigabytes of space per year. Most people have Amazon accounts; if you do not, they are free to create.

Therefore, there is no excuses for not having your data backed



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Google's April Fool's joke was both entertaining and yet, ironically, plausible.

up when your computer crashes. The new feature can be checked out on the Amazon homepage.

And now, onto the main discussion: Browser wars!

Microsoft recently released Internet Explorer 9 into the wild, and coincidentally, Mozilla has pushed out its release of Firefox 4. While Internet Explorer is the reigning heavyweight in the browser marketshare, Firefox has established a loyal following and users are quick to help you change over should you express any amount of

interest.

Internet Explorer 9 (IE9) brings the default Windows web browser up to speed with other browsers. It is the first time we see a browser from Microsoft that is not only useable, but comparable and possibly even competitive with other browsers out there.

IE9 matches or exceeds other browsers in important factors such as safety, speed and compatibility with web standards, which have been exceedingly lacking in the past.

It also features an "inPrivate" browsing mode which is now offered on nearly all major browsers, as well as hardware graphics acceleration. IE9 also is, extensibility for the first time, allowing for add-ons to enhance the functionality of the browser, depending on users' tastes. Firefox offers all of these features as well, but has a few more tricks up its sleeve.

In addition to an extensive catalogue of add-ons and extensions that have been developed and tweaked over the past decade, Mozilla brings a unique new feature to the table called Panorama. This allows users to see their tabs in a sort of "exposé" view (for Mac users). In other words, you can "zoom out" on your tabs.

Furthermore, you can group your tabs into "tab groups" allowing you to really organize your work. And you can name them too. Here's the kicker: when you are viewing one tab group, you will only see the tabs from that tab group at the

top of your window. So it's like having just those tabs open. But then you can go into Panorama view and jump to a different tab group, enabling you to switch out your tabs from a completely new set of tabs. It's useful for switching between contexts as well as switching between researching your essay and shopping for a new camera. It's really quite impressive and is definitely worth trying out.

IE9 has its own unique features. These include the ability to pin a website to the Windows taskbar, which would allow you to open a new browser window straight into that page. It is really not that different from just clicking a shortcut to a webpage, but Microsoft wants to make a big deal out of it.

It is possible that it will make use of HTML5 offline storage data in that case and make those links actually useful. The other interesting feature that sets IE9 apart at the moment is the ability to opt-out of being tracked by websites.

Most browsers do not offer this option by default. IE9 has really stepped up the performance, reliability, and power for Microsoft's browser, and it shows. The browser no longer looks like a dinosaur compared to other browsers, and it will run with the best of them.

Both Firefox 4 and Internet Explorer 9 bring some unique features to the table. From Panorama to pinning websites to purely raw performance, these two browsers vie for your attention. Which one you use is up to you.

I'm currently still in the process of trying out both, as they seem to each have their own application. A lot of enterprise and business websites and logins require Internet Explorer, so that has come in handy. However, there have been a few times where the website didn't recognize the new IE9 browser for what it was and failed.

Finally, this may signal that we are reaching an end to the era of poor browser performance for Internet Explorer in general. However, it could also just be the beginning of a new era of serious competition.

Prehistoric Briefs

New relative of T. rex discovered in Eastern China

Paleontologists have announced the discovery of a new relative of T. rex. The discovery, made near the Chinese city of Zhucheng in 2009, was detailed in the journal *Cretaceous Research*.

The new species of dinosaur was named *Zhuchengtyrannus magnus*, which means the "Great Tyrant from Zhucheng." *Zhuchengtyrannus* belongs to a group of dinosaurs called the tyrannosaurine, which include T. rex and its closest relatives.

This is not the first relative of T. Rex to be found in China. Back in Jan., a two-clawed "cousin" of the T. Rex was found in China, in the form of the *Linhenykus monodactylus*.

These dinosaurs are characterized by their small arms, two-fingered hands and large, powerful jaws. Like other members of the tyrannosaurine family, *Zhuchengtyrannus* lived during the Cretaceous Period, which lasted from about 99 million to 65 million years ago.

Measuring about 36 feet long, *Zhuchengtyrannus* is one of the largest carnivorous dinosaurs ever found. It stood approximately 13 feet and weighed close to 13,200 pounds, the weight of a school bus. The jaw contains teeth that are some 4 inches in length.

Currently, *Zhuchengtyrannus* is the only known member of the tyrannosaurine family that lived in what is now China.

Most of the other specimens recovered from the quarry where *Zhuchengtyrannus* was found belong to a gigantic species of duck-billed dinosaur known as *Shantungosaurus giganteus*. The herbivore may have been prey.

In addition, other unidentified fossils, believed to be species of ankylosaurs, were also found. The fossil quarry was likely once a large floodplain where many dino-



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Over a seven million year period, African herbivores evolved to eat C4 grasses.

saur bodies were washed together during floods and then fossilized.

Fossil mammal teeth reveal early history of African savannahs

A new analysis of ancient fossil teeth reveals how the world's grasslands came into existence.

These new findings pinpoint when the ancestors of modern herbivore lineages began grazing on grasses, helping create the landscape wherein humans evolved. The study was in the *Proceedings of the National Academy of Sciences*.

Even though grasslands cover more than 20 percent of the planet, the savannahs of Africa only appeared 4.2 million years ago, shortly before hominids began to evolve. The reason lies in the biology of plants.

Around 65 million years ago, cooled season, also known as C3, plants evolved. These grasses were not well adapted for survival in hot, dry environments.

Approximately 30 million years ago, C4 or warm-season grasses evolved. These grasses were better adapted to hot, dry weather because they had made alterations to the photosynthetic process.

To understand how animals in Africa adapted to these new grasses, switching over from a diet of leaves from C3 trees and shrubs to C4 grasses, paleontologists investigated 452 fossil teeth of herbivores from three sites in Kenya also occupied by ape-like human ancestors.

Scientists analyzed the amount of carbon-13, a heavier version of carbon, in the teeth of the animals. Because of their chemistry, C4 plants accumulate more carbon-13 than C3 plants. When the grasses are eaten, the carbon-13 is incorporated into the animal's body, including its teeth. By analyzing the carbon-13 content of the teeth and knowing their age, scientists can determine when African herbivores began eating C4 grasses.

The study will lead to greater insight on how the African savannahs evolved and its role in the evolution of humans.

— Briefs by Husain Danish

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Book Arts: The Star Accordion Book

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Larcia Premo, Homewood Arts Workshops
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Saturday April 9
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3-5pm

Wiegand helps Men's Baseball take over Centennial Conference

By KYLE HALLERAN
Staff Writer

Graduate student, team captain, star of the pitching staff — Matt Wiegand does it all. Wiegand was named the Centennial Conference and ECAC South Pitcher of the Week in honor of his two consecutive victories over Dickinson this past week. Behind his efforts on the mound, the Blue Jays jumped into first place in conference standings.

Wiegand scattered eight hits and two earned runs while striking out 12 batters over 13 innings of work. He threw six scoreless frames on Tuesday and then returned to face the familiar opponent on Sunday, tossing seven strong innings. The La Jolla, Calif. native improved his season record to 3-0 with a microscopic 1.88 earned run average.

"I've had good velocity with my fastball and have been able to go through the lineup once with only fastballs," the big right-hander said. "In later innings, when I face hitters for the second and third time, I can go to my off-speed. I'm also using a good amount of two-seam fastballs so I can go to my four-seam fastball as an out pitch," he said.

Wiegand missed all of last season due to Tommy John surgery and repairing his throwing elbow, which he injured during the 2009 postseason.

"My arm is just about where it's going to get in terms of physical strength and velocity," he said. "My off-speed action and location will get better. I think I still have room for improvement and getting back to the pitcher I can be."

On Tuesday, Wiegand was

backed by a 10-run offensive barrage led by sophomores Kyle Neverman, a shortstop, and Chris Wilhelm, a first baseman, who had two hits and scored two runs apiece. The Jays took game



COURTESY OF ZAHIR JAFFER

Sophomore first baseman Jeff Lynch got the start against Stevenson.

one of the mid-week series 10-1. Friday's match was postponed until Sunday.

Between Wiegand's domination of the Red Devils, the Jays took on rival Franklin & Marshall College. Traveling to Lancaster, Penn. on Saturday, Hopkins split the conference doubleheader. The Diplomats finally topped junior hurler Sam Eagleson in the first seven-inning game. Hopkins was defeated in the bottom of the seventh, falling 3-2. It was their first conference loss in 27 games.

After the disappointing game one though, the Jays called on their big bats to take control of game two in the final three innings. In the fourth inning, Wilhelm stepped up with a momentum-grabbing two-RBI single to left field, scoring senior Jesse Sikorski and Neverman. The hit to left gave the Jays an early 2-1 lead. Shortly after, junior Sam Wernick knocked in graduate student Joe Borelli from second base, increasing the Hopkins lead to 3-1.

Neverman enjoyed crossing home so much he thought he would score again in the top of the fifth. The slick-fielding shortstop drew a base on balls, stole second base, stole third base, then jogged home after a throw-

ing error by the Diplomat catcher. Neverman's running clinic pushed the Jays' lead to 4-1.

In the top of the seventh, Neverman used his speed to reach first on an infield single. Wilhelm struck again, this time knocking in one runner, Neverman, with a double to the left-center gap.

After going up 5-1, the Blue Jay pitching staff coughed up a four-run Diplomat inning, allowing the game to be tied at five apiece. It was an ugly inning which included four walks, a hit by pitch and two interference calls on the catcher.

Junior Aaron Schwartz showed great poise, entering the game in a jam without giving an inch. Schwartz was able to stop the bleeding in the seventh, striking out two batters and allowing Hopkins to limp off the field, still tied instead of down several runs.

With the Jays back with the sticks, junior Aaron Borenstein sent a sacrifice fly to right field, allowing Wernick to trot home safely, giving the Jays a 6-5 lead. The Diplomats soon countered with a sacrifice of their own in the bottom of the inning.

Moving on to the top of the ninth inning, Borelli drew a base on balls and then advanced to second on a Wilhelm single to left field. Junior Zach Small then ripped a two-RBI triple to right, giving Hopkins the 8-6 lead. Freshman Mike Denlinger and Wernick went on to each knock in one run, giving the Jays the final lead of 10-6.

Schwartz returned to the mound to retire the Diplomat side in order, securing the nightcap victory for the Jays. Junior starting pitcher Alex Eliopoulos was efficient on the mound, scattering seven hits and two earned runs over six innings.

The Jays then brought their momentum into Sunday's makeup game with Dickinson at Homewood Field, the team's first home game since March 8th. Wiegand got the start for Hopkins

again and dominated again, tossing seven innings of two run ball before handing the game over to freshman submariner Zach Augustine and senior Chip Harsh.

The offense was lead by Wilhelm who went 1-3 with an opposite field home run to right, and grad student Stephen Besjuk who went 2-3 with a double.

The following day, Hopkins took on Stevenson in a non-conference affair, giving several younger players a chance to shine.

Sophomore AJ Hellow started for the Jays, and after struggling with his control early on, settled down to throw five innings, allowing just one earned run. The Blue Jay bats, which have been surprisingly quiet so far this season, took some time to warm up, but in the bottom of the seventh, down 3-1, Sikorski, who was pinch hitting, knocked a three-run bomb to right field for his third home run of the year to give Hopkins a 4-3 lead.

The Blue Jay bullpen struggled to tame the Mustang bats in the late innings with the wind blowing out, however, as Stevenson came back for the 8-4 victory.

Heading into Wednesday's conference matchup with McDaniel, the Blue Jays were a modest 12-8 overall, but 5-1 in the conference, hoping to stretch it to 6-1.

That stretch is exactly what the Jays got. The team was led by a solid seven-inning pitching performance from sophomore pitcher Kevin Gillen. He managed to hold the Green Terror to just two runs. Wilhelm smashed two balls over the fence during the contest, clearly representative of Hopkins's offensive authority during the game. Small nearly hit for the cycle, falling short by just a double. The Jays won by a significant 12-4 margin.

The team returns to action on Friday, April 8th against McDaniel.

Nike Better World begins global and green initiative

RYAN KAHN
Staff Writer

When it comes to the world of advertising, Nike sure seems to have its pick of the litter. Of the top commercials in the past decade, Nike easily places three (if not more) in the top ten.

Whether its Michael Jordan defying the laws of the space-time continuum in the Air Jordan ad, Brian Urlacher making hits on the ice while Andre Agassi makes web gems for the Red Sox in the "Do Anything" ad, or even Lance Armstrong's famous, "I'm on my bike, busting my ass six hours a day," in the "What are you on" ad, Nike has glorified sports and athletes around the globe through their marketing campaigns.

For instance, even their new cricket yards campaign can give someone chills.

"Nike always has a sly way of making anything awesome. Even cricket," *Devour.com* describes. Thankfully, Nike's marketing expertise only revolves around sports. Could you imagine if tobacco companies got their hands on Nike's finest mad men? It'd be scary to see the new rates of lung cancer.

Nike, Inc. has revolutionized any and every sport ever since Bill Bowerman, the legendary University of Oregon track coach and co-founder of Nike, started making waffle shoes in his home. Now Nike has decided to better the world, not only through simply donating enormous amounts of money like other companies, but also through their products and sport itself. It can all be explained through their newest, greatest ad yet which can be seen on their revolutionary HTML5 webpage, nikebetterworld.com.

The commercial is a Voltron of a bunch of their past commercials; as stated at the beginning of the video, the "film is made from 100 percent recycled ads," which all come together to pack the biggest punch yet. Through new product designs and community athletic developments around the globe, Nike hopes to make the world and its people better through sports.

Nike took both social and environmental aspects into concern while starting their Better World Initiative. Starting with the green campaign, Nike took to their roots: the shoe industry. Considered a "game changer" in the world of footwear, the new Nike Free TR Fit looks to combine performance, innovation and sustainability in its design.

Maintaining the user's performance level, the Free TR Fit goes environmentally-friendly by using environmentally preferred rubber, an eco-safe solvent and recycled polyester to reduce the amount of waste. Initially designed for women, the new line of free fit shoes allow the user to "get more out of their workout without leaving a huge environmental footprint. Everyone's a winner."

Nike did not just stop at the shoe itself while making footwear safer for the environment; next on the list was the shoebox. While still using 100 percent recycled cardboard, in 2011 Nike

will begin using 23 percent less material — this will save approximately 200,000 trees a year.

Moving onto uniforms, Nike's green initiative premiered on the global stage during the 2010 World Cup. Each Nike jersey was made from recycled polyester in its entirety. This used up to eight recycled plastic bottles per jersey, resulting in a total of 13 million plastic bottles. Instead of ruining the environment by resting at the bottom of some landfill, these same bottles rested on the backs of soccer greats while shaping athletic history.

Finally, in partnership with the non-profit organization Creative Commons, Nike created the GreenXchange. The Xchange is a selfless endeavor that allows other companies to license Nike's environmentally preferred technology in order to lower their own environmental footprint as well.

In addition to their green initiative, Nike also plans on tackling some of the world's leading social problems as well going even further than promoting that exercise and sports benefit overall health. Nike traveled halfway around the globe to Soweto, South Africa and built a new soccer training facility. The training center is large enough to give 20,000 South African's access to top-level training facilities, professional coaching and HIV education. In Soweto, Nike is combating poverty and improving public health.

Nike also supports the Homeless World Cup, an annual soccer tournament with participants from 64 countries, where 71 percent of players will have the tools and support to significantly change their lives after competing. On the homefront, Nike is installing and refurbishing 25 basketball courts throughout New York City, giving thousands of New Yorkers better courts on which to play the game they love.

They have also started a Nike N7 initiative aimed to benefit the Native American community. Diabetes is widely prevalent amongst Native Americans, so Nike looks to promote exercise and fight diabetes by designing a product that is catered specifically to Native Americans. Because wide feet are common amongst Native Americans, Nike designed the N7 shoe series that has a specific design to support a wider foot.

In a world where giant companies throw money at problems and wait for them to go away, Nike has decided to take a different path — through sport. Nike Better World claims that sport "inspires hope, instills discipline, reduces depression and disease, raises self confidence, raises awareness, rallies communities and has even been known to stop wars" (during the 2006 Football World Championship, a civil war in the Ivory Coast came to a ceasefire when their national soccer team advanced to the finals). Nike is pulling out all the stops to prove these to be true. So while others are sitting on the sidelines, waiting for the world to make itself better, Nike went out and just did it.

Club Rugby grabs first two wins of season

By ALEX SARGEAUNT
Staff Writer

The Hopkins club rugby team was able to pull out two victories this weekend at the Frederick Rugby tournament to take home the championship and obtain that first elusive win of the calendar year.

Loyola College and Frederick Community College were the other squads competing in the round robin tournament that took place on Frederick's home turf.

As usual, the Hopkins squad was short a few players and was forced to play with several men out of position. This situation became even worse after scrum-half sophomore Marc Saliba went down eight minutes into the first match against Frederick, shortly followed by eight-man junior Ross Gruber.

As injuries are a commonplace challenge in the world of rugby, the squad was able to recover with reserves stepping up and starters generally raising their level of play.

Improvements could be seen from all angles, especially in comparison to the beginning of the fall season. While back then drops were commonplace, halting any offensive burst, there were almost no dropped passes this weekend.

Line outs and scrums are generally an indication of the experi-

ence level of a rugby squad since both require loads of practice and masses of men moving in unison.

In the Loyola and Frederick matches, not only was the squad able to hold their own, but they were also able to steal possessions, always a momentum booster. In past matches it has difficult for backs and forwards to put together good performances in the same match; however, this past weekend they did just that. "The forwards did very well even though rucks could be secured more, and the back three (full back and wings) had very little experience, but were almost flawless," said sophomore Guillaume de La Batut.

A team can be fundamentally sound, but this would all be negated if the players are not in proper shape. It is the single most important factor and is one of the many challenges that a club team without access to the varsity weight room faces — not to mention the players' courseloads.

Even so, the Jays were prepared.

"Overall, we were in better shape than we have been and we managed to put forward the intensity and commitment that has not always been there," Guillaume noted. While the Friedman victory to open the tournament was sweet, the 16-0 win over a supposedly superior Loyola was pure honey. With insults and cheap shots all along, holding the opponent scoreless was a momentous occasion for the squad.

"I don't believe they managed to step onto our half of the field in the first half, and we probably stole about half their rucks that we contested," said sophomore Logan Martin.

As usual all teams, lips bloody and heads ringing, met up afterwards to sing songs, give toasts and celebrate the day with a few ice-cold cruisers. The Jays were able to maintain an unprecedented streak of four years without losing a boat race as well.



COURTESY OF ROSS GRUBER

Hopkins rugby battled with locals Loyola and Frederick CC.

Willenborg grabs 100th career victory over #8 CMU

By CLAYTON RISCHIE
Sports Editor

The women's tennis team had a successful three-day stretch, collecting three consecutive wins while improving their record to 9-1. The ladies are now 6-0 in the Centennial Conference. One of their wins came from an upset against eighth-ranked Carnegie Mellon.

The first win was collected on Friday against Franklin & Marshall. The Jays came off with a 9-0 shutout performance. The doubles matches went without a hitch as Hopkins lost only one game over the course of three doubles. First at doubles was freshman Hailey Hogan and sophomore Nandita Krishnan, who won 8-1. The Jays went on to win every match and crush the Diplomats.

The next win came on the road against Ursinus. This match ended up being a little more of a challenge for the team, as 12 games were lost over the course of the three doubles and six singles matches. Half of the 12 losses came during doubles. Freshmen Lauren Fields and Abby Clark both posted perfect 6-0, 6-0 victories in singles, taking their opponents in just 12 combined sets. Hopkins beat Ursinus 9-0.

The third and perhaps most important of the wins that the Lady Jays collected was against Carnegie Mellon. 13th-ranked Hopkins managed to pull a rather convincing upset against the eighth-ranked Tartans with a 7-2 final. Hogan and Krishnan won 8-4, and senior Abby Dwyer and junior Carolyn Warren won 8-6 to take the first two doubles. The team entered singles play up 2-1, and managed to hold Carnegie off with five more wins. The match was a great indicator as to how Hopkins will perform against higher ranked teams this year.

The ladies are on the road for their next match against Washington College this Saturday.

BLUE JAY ATHLETICS SCOREBOARD

BASEBALL

Saturday, April 2

Hopkins 2, F&M 3

Hopkins 10, F&M 6

Sunday, April 3

Hopkins 5, Dickinson 4

Monday, April 4

Hopkins 4, Dickinson 8

Wednesday, April 6

Hopkins 12, McDaniel 4

M. LACROSSE

Sunday, April 3:

Hopkins 10, UNC 9

W. TENNIS

Friday, April 1

Hopkins 9, F&M 0

Saturday, April 2

Hopkins 9, Ursinus 0

Sunday, April 3

Hopkins 7,

Carnegie Mellon 2

W. LACROSSE

Sunday, April 3:

Hopkins 13, Vanderbilt 14

M. TENNIS

Saturday, April 2

Hopkins 9, Ursinus 0

Sunday, April 3

Hopkins 9,

Carnegie Mellon 0



ANNE FABER/GRAPHICS EDITOR

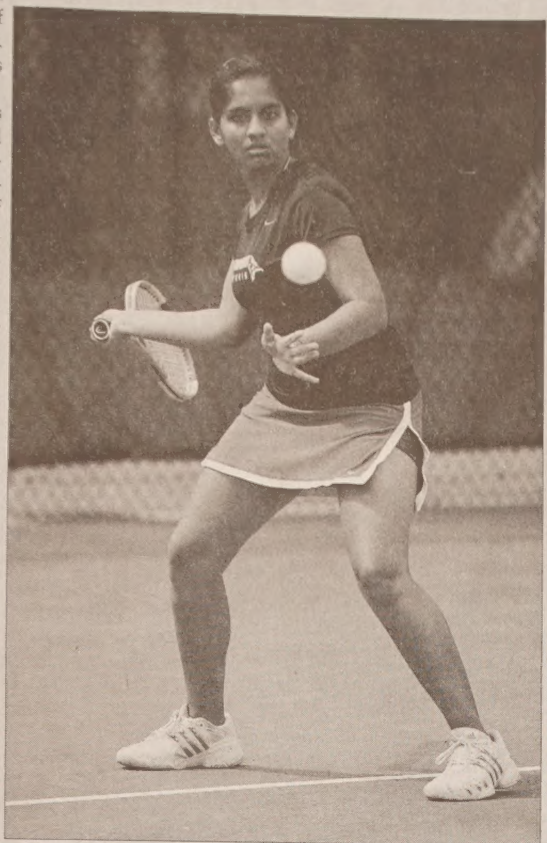
SPORTS

ATHLETE OF THE WEEK
NANDITA KRISHNAN - WOMEN'S TENNISBy SAM GLASSMAN
Staff Writer

Like most of the extraordinary athletes at Hopkins, sophomore Nandita Krishnan, who is from Chennai, India, has a rich history of athletes in her family. In her case, tennis is her family's game. Krishnan, who was awarded her second consecutive Centennial Conference women's tennis player of the week honor on Tuesday, is the third generation of Krishnan tennis players; her father and her grandfather both played professional tennis, a major reason why she decided to take up tennis at the young age of six. She has been playing tennis ever since.

As Krishnan grew up, she continued playing in junior tournaments in India in different age groups, including 12's, 14's and 18's, very similar to tournaments here in the United States. Traveling around much of the country, Krishnan was given the opportunity to train against people from different backgrounds and playing styles, an experience she recounts as "great . . . for tennis and life in general."

In addition, Krishnan took part in the Nike Junior Tour world championships for the 12 and under age group, which took place in numerous locations including Sun City, South Africa. She also took part in International Tennis Federation events

COURTESY OF SPORTS INFO DIRECTOR
Krishnan lost just two games against Franklin & Marshall this weekend.

across Asia.

Krishnan's improvement as a tennis player did not stop there, though. Now here in the U.S., she has continued to improve during her time at Hopkins where she

coach of both the women's and men's tennis teams,] is one of the main reasons I chose to come to Hopkins and he has really changed the men's and women's programs," she said. "He has a lot of experience and has helped us all become better players. [Assistant Coach Dave Woodring] has also been extremely supportive of us, in our tennis and academic pursuits as well and has been instrumental in our good results this year."

And they have truly been good results. So far, the only loss the team has suffered was to Cal State Northridge, a strong Division I team. The team also ended a five-match losing streak against eighth-ranked Carnegie Mellon, and was expecting a successful match against seventh-ranked Pomona-Pitzer before the match was rained out.

The tone of Krishnan hinted at a close-knit team that has strong goals and expects to reach them. For Krishnan personally, her own success has been just as present.

"My best win was over the number-five player in the region from Carnegie Mellon," she said. In this match, her and freshman Hailey Hogan played together in the first doubles spot.

"[Hailey and I] have had a great run so far, with wins over highly ranked teams from Carnegie Mellon and Chapman," Krishnan said. With seven matches remaining before con-

ferences, there is plenty of time to continue their current run of success. Krishnan seems both expectant and confident that they will do so.

Still only a sophomore, it is

VITAL
STATISTICSYear: Senior
Major: Public Health

Krishnan, from Chennai, India, has won a staggering 28 games this year between doubles and singles matches. She beat the fifth-ranked player in the region in straight sets on Sunday.

hard to say what lies in her future. In regards to tennis, she claims that her goals are "to hopefully help the team to an NCAA title as well as the individual NCAA singles and doubles tournaments," a goal which seems to be a common occurrence among Hopkins athletes.

As far as Krishnan is concerned about her career, though, she has more of a distinct plan. She explained that she wants to return back home.

"I would like to be involved in public health programs back in India," the public health major and psychology and Spanish minor said.

Even when she's not on the court, tennis is never far from Krishnan's mind — in her free time, she enjoys watching tennis greats, "especially Rafael Nadal and Kim Clijsters," she said.

With the way Krishnan continues to rocket through the record books, maybe one day she'll be remembered as one of Hopkins's tennis greats.



FILE PHOTO

Senior midfielder Briana Cronin has seven goals in 11 games this season.

Hopkins struggles in second half, falls to Vanderbilt 14-13

By TREVOR WILLIAMS
Staff Writer

Despite holding a 10-7 lead in the second half, the Johns Hopkins women's lacrosse team was unable to hold off the explosive attack of Vanderbilt, as they fell by a final score of 14-13.

The loss, which marked the end of their three-game win streak, dropped the Jays' overall record to 7-4, and 0-1 in ALC conference play. Vanderbilt improved to 7-5, and 1-2 in conference, with the win.

Following a goal from junior Rachel Ballatori as she one-timed a pass from fellow junior Alyssa Kildare, the Jays held a 10-7 lead three minutes into the second half.

The lead would be short-lived, as Vanderbilt would score a mere 57 seconds later, after they won the ensuing draw and Vandy's Emily Franke scored off a pass from Courtney Kirk. The goal would spark a 4-1 run for the Commodores, and the score would find itself tied up at 11-11 with less than 14 minutes to play.

Hopkins answered Franke's goal, when junior Candace Rossi punched in her game-high fifth goal at the 19:41 mark, and pushed the Jays lead to 11-8. Vanderbilt then rattled off three unanswered goals in less than a two-minute span to cap the 4-1 run, evening the score at 11 apiece.

Hopkins would stop Vanderbilt's momentum with a goal from senior Brooke Foussadier, which completed her hat trick with 12:32 to play, and put the Jays back on top 12-11.

Vanderbilt's ability to score in bunches was showcased yet again, as they answered Foussadier's goal by putting together three straight goals, two of which came less than a minute apart off the stick of Katherine Denkler, and would put the Commodores back on top 14-12 with under eight minutes to play.

Hopkins would stop the bleeding with a Katie Duffey goal three minutes later, as she tipped in a ball that was loose in the slot. Vanderbilt won the pivotal ensuing draw and used that to kill off more than two minutes before Hopkins was able to get the ball back as sophomore Sammi Arbitman forced a turnover on Ally Carey.

Following the turnover, Hopkins cleared the ball and called a timeout to set up its offense as it sought to tie the game. This opportunity turned out to be short-lived as junior Colleen McCaffrey was called for an offensive foul, giving Vanderbilt the ball back with just 1:18 to play.

Vanderbilt employed more of its keep-away strategy, as they were able to drain another minute off the clock before turning the ball back over to Hopkins, but this proved too little time for the Jays as they were unable to get the ball in the offensive end before the final horn.

The beginning of the game was dominated by the Commodores, as they notched three of the first four goals, holding a 3-1 lead within the first five minutes.

The back-and-forth style of the game was established early as Hopkins responded by scoring seven of the next eight goals, giving them an 8-4 lead. Vanderbilt would respond with a run of its own, scoring three of the next four goals, cutting Hopkins' halftime lead to two and placing the score at 9-7.

The Jays have scored at least eight goals in every game, a testament to their offensive talent. Commenting on her team's explosive offense, head coach Janine Tucker said, "They play fast and love to make each other look good. They have worked so hard on their dodges and feeding ability and are really learning how to read a defense."

The loss marked Hopkins' third one-goal defeat of the season, a statistic that would surely frustrate any coach, but Tucker put a very positive spin on the Jays' struggles in close games.

"We have proved that we can play with anyone, but I would say that we have to maximize our opportunities at the draw and make possession a priority in those close games. We have to continue to work on end-of-game decision making and timing on both offense and defense."

Speaking to how she addresses the team after the close games, Tucker continued to reveal her confidence in her team.

"It's not hard to address the team after those close games because we have an incredible group of positive, enthusiastic, dedicated, hard-working players who fight to the bitter end and want to do everything they can to pull out the win," she said.

"We talk about what needs to [be done] differently and this group continues to learn and grow with every game."

Hopkins is back in action this coming Saturday, April 9th, as the Jays take a trip to the Sunshine State and head to Gainesville to take on the sixth-ranked Florida Gators. The ALC match-up is scheduled to begin at 1 p.m.

After this weekend, the Jays have just four more games in the regular season.

Wang takes
super tie-
breaker to
lead Blue Jays

M. TENNIS, FROM B12

The Blue Jays started off hot, with junior Jacob Barnaby and senior Casey Blythe setting the tempo at first doubles. Winning by a final 8-3, Barnaby picked up his 99th career win (singles and doubles) and he is only one win shy of becoming the sixth player in school history to reach 100 wins.

At second doubles, junior Warren Elgort and senior Andrew Wang beat up Carnegie Mellon 8-4. At third, Sophomore Jeff Kamei and senior Ryan Rauck completed the doubles sweep 8-2.

Moving on to singles matches, Hopkins won three of the six in straight sets. First singles was the closest match of the day. Wang managed to pull out a win in the thrilling three set match. Wang took the first set 7-6 before losing the second set 7-5. The final set went to a super tiebreaker where Wang squeaked by winning 11-9.

At second singles, Elgort also needed three sets to put away his opponent. He won the first set 7-5, lost the second 1-6, then rebounded to dominate the third set, 6-0.

Hersh went off to knock off his opponent at third singles, winning 7-5, 6-0. Blythe and Dauer also won their matches in straight sets.

Freshman Jeremy Schwartz rounded out the match, seeking a win to complete the Hopkins third straight sweep. Schwartz came from behind and came away with a win in a three-set match. After dropping the first set 6-1, Schwartz won the second 6-4 before taking the third, 10-4, in a super tiebreaker.

The Jays look to extend their win streak this week, with seven matches left in the season before the Centennial Conference Championships on April 30. They head to Haverford for this weekend.

Outdoor track season begins with UPenn Invite

By ERICK SUN
For The News-Letter

On a mild day in Philadelphia, Penn., the men's and women's track and field teams competed at the UPenn Invitational to begin their 10th and 14th meets of the year, respectively, and their first team meets of the new spring season.

The men were led in the running events by fifth place sophomore Josh Budman in the men's 3000-meter Steeplechase with a time of 10:28:02 and the fourth place finishing A team in the 4x400 meter relay with a time of 3:24:17.

For the women runners, the 4x100 meter relay team put in

could be a critical factor.

"It's going to be hot," she said. Shelton was followed in the 800-meter by eighth-place junior Cassie Cummings, tenth-place sophomore Annie Monagle and 15th-place sophomore Marie Ferguson.

In the throwing events, well-known funny man junior Luke Sand had another strong showing, placing fourth in the shotput and eighth in the discus to lead the Jays while the Lady Jays were led by impressive showings from freshman Emily Swenson, junior Stephanie Amalfe and sophomore Alana Merkow in the women's javelin, discus and shotput, finishing career.

Laseter attributes much of her success and growth to head coach Bobby Van Allen.

"When I was a freshmen, he told me he knew I could run times that I'd never even dreamed of," she said. "By teaching me to set my goals, Bobby has helped me reach my potential."

And that potential has emerged this season. Laseter finished third in the mile at the Centennial Conference Indoor Championships, helping Hopkins win the event overall for one of her self-described proudest moments after finishing last in the same event her freshman year.



COURTESY OF ELIZABETH LASETER

Senior Elizabeth Laseter finished in first place in the 3000-meter Steeplechase, an obstacle course race with hurdles and water.

an outstanding fourth place run of 48:03 for a new school record, besting the 49:71 time set in 2010. Freshman Maggie Shelton led Hopkins women in the 800-meter run with a fourth place finish.

"I was pretty happy with the way the first outdoor meet turned out," Shelton said who finished with a time of 2:18:90. Next weekend, the Jays will travel south to compete in the Duke Invitational, and, as Shelton noted, Mother Nature

ishing fourth, fifth and sixth, respectively.

The story of the day was the first-place finish performance of senior Elizabeth Laseter who ran a time of 11:24:53 in the 3000-meter Steeplechase to lead Hopkins's impressive outings in both the men's and women's Steeplechase runs. With her fourth top-three finish of the season, Laseter is enjoying a successful senior season to complement her Hopkins run-

When discussing her final season, Laseter's passion truly shows as she can't help but exude the joy she has working with her teammates, her love of running and how she will "miss all of this when [she] graduate[s]."

Laseter hopes to keep up the great year in her next meet at Durham, N.C. where family and friends will be driving up from her hometown of Charlotte to cheer her on.

Duke is next on April 4th.

SPORTS

Did You Know?

Hopkins basketball's all-time leading scorer, Andy Enfield (A&S '91), was named head basketball coach at Florida Gulf Coast University, the school's second head coach.

CALENDAR

FRIDAY
Baseball vs. McDaniel, 3:30 p.m.
M. Lacrosse, vs. Albany, 7:30 p.m.

TUESDAY
Baseball vs. Gettysburg, 3:30 p.m.

Baseball takes two wins from Dickinson, moves into first



CAROLYN HAN/PHOTOGRAPHY EDITOR

Grad student Joe Borrelli has hit .308 with a homerun and nine RBIs in 15 games this season. He has been a force behind the plate as Hopkins's starting catcher. Borrelli is a veteran player on the team and looks to lead the Blue Jays to another long playoff run this season.

M. Lax takes down UNC, now ranked 3rd

By MIKE PORAMBO
Staff Writer

The third-ranked Hopkins Men's Lacrosse team traveled up to the New Meadowlands Stadium last Sunday to play in the Big City Classic, beating eighth-ranked N.C. in exciting fashion, 10-9.

Sophomore midfielder John Ranagan, the Konica-Minolta Player of the game, lead the Blue Jays with three goals and an assist. A goal by fellow sophomore midfielder Lee Coppersmith with 1:52 remaining in the game gave the Jays the lead, which they held onto for the remainder of the game.

With the win, the Jays improve to 7-2 overall, including a 2-1 record the past three weeks, completing the most difficult portion of their schedule. The Tar Heels fall to 7-3 with the loss.

The Jays came out of the gates with much more drive and intensity than the Tar Heels, jumping out to a 4-0 lead in the first 5:11 of the game. Senior attackman Kyle Wharton scored his first goal less than a minute into the game, collecting a nice pass from sophomore attackman, Zach Palmer and burying the ball into the back of the net.

Less than a minute later, junior midfielder Marshall Burkhardt found senior midfielder Mark Goodrich open in the slot seven yards out and ripped another shot past UNC goalie Steven Rastivo.

With 10:17 to play in the first period, Palmer fed Ranagan from behind the net to the point and fired a laser past Rastivo. After another face-off win by senior Matt Dolente, who has been dominant at the "X" all season long, Burkhardt found Wharton open on the right side. A poor error by the Heels to give Wharton so much space, he wound up and ripped the ball into the back of the net for his second goal of the day. Down 4-0 to the Jays, the Tar Heels then decided to wake up.

N.C. began to vary its defenses, switching in and out of zone schemes and getting the ball to their go-to goal scorer, senior Billy Bitter. He had a natural hat trick, scoring back-to-back-to-back goals in spectacular fashion, splitting double teams and spinning off defenders to end the first quarter.

Not to be outdone by Bitter, Wharton completed his hat trick at the start of the second quarter to give the Jays a 5-3 lead, scoring his 100th career point in the process.

The next seven minutes were filled with turnovers and back-and-forth play as neither team was able to score. With 7:44 to play in the half, UNC midfielder Jimmy Dunster managed to beat sophomore goalie Pierce Bassett from 10 yards out to close the gap by one. After more back-and-forth turnover-

laden play, N.C. tied the game up at 5-5 with 2:20 to play in the half.

After allowing the Tar Heels back into the game, the Jays re-ignited the fire. The Jays only needed 12 seconds to take the lead back, as Ranagan beat his defender with a strong left-hand alley dodge and beat Rastivo for his second of the day.

21 seconds later, Ranagan beat his defender yet again and found Palmer open on the opposite side of the net, who buried the ball into the back of the net before Rastivo could slide. Just another 18 seconds later, senior attackman Chris Boland scored his 17th goal of the season.

In less than one minute, the Jays had taken a three goal lead, which they took into halftime.

"We effectively used the offensive schemes that we worked on in practice," said freshman midfielder Rob Guida. "We had success finding the wrinkles in the various defenses that they showed."

Both teams settled into patient offensive schemes in the second half, each possession holding the ball for long periods of time.

The Tar Heels cut the lead to two on an extra-man goal by Marcus Holman with 7:09 to play in the quarter. No other goals were scored in the third period, aided by the strong Jays defensive unit.

"We varied our defenses as well," said sophomore defender Tucker Durkin. "We frequently mixed it up, attempting to make it uncomfortable for their offense."

Dolente owned the final period, going 5-for-6 at the face-off "X." Ranagan completed his hat trick 38 seconds into the fourth quarter to give Hopkins a 9-6 lead. The next three goals would be scored by N.C., including Bitter's game-leading fourth goal of the game.

After midfielder Duncan Hutchins beat Basset near-side with 2:41 to play, the game entered its final stretch all-square.

Enter Lee Coppersmith, hero of last week's upset of Va. The sophomore midfielder came up huge yet again, receiving the ball up top, dodging his defender and ripping a shot past Rastivo for the game-winning goal.

The Tar Heels desperately tried to tie the game up, but Bassett made the necessary saves to ensure victory. He finished with seven saves on the day, as he continued to look like one of the best goalies in lacrosse.

Dolente, who won every face-off in the second quarter and all but two in the second half, finished with a career-high 16 face-off wins in 22 attempts.

The Jays take on the University of Albany under the lights of Homewood field on Friday night. Face-off is scheduled for 7:30 p.m.

Men's Tennis winning streak continues to five games straight

By JARED FRYDMAN
Staff Writer

The Hopkins men's tennis team continued their dominance as of late, beating Ursinus and Carnegie Mellon on back-to-back days this past Saturday and Sunday.

The Blue Jays extended the current win streak to five games, blanking both teams by a score of 9-0.

The 12th-ranked Hopkins traveled to Ursinus on Saturday, improving to 4-0 in the Centennial Conference.

Leading 3-0 after doubles, Hopkins went on to sweep all six singles matches.

Jay sophomores Andy Hersh and Morgan Dauer lost only two games in an 8-2 win at first doubles. The sophomores set the tone for the day, with the rest of the Jays dominating in subsequent matches.

Hopkins Junior Ron Friedman and freshman Joonas Karjalainen won their match 8-1 at third doubles. At second, freshman German Gonzalez and sophomore Jeff Kamei won their match 8-6.

The outstanding play was extended into the singles matches, as Ursinus was clearly overmatched by the powerful Hopkins team.

Hersh won the first singles match 6-2, 6-2. Dauer was absolutely relentless in singles, refusing to lose a game, and

winning by a count of 6-0, 6-0. Gonzalez beat his opponent, 6-4, 6-0, winning the second set without losing a game.

Kamei won 6-0, 6-2 at fourth singles.

Friedman lost just one game at fifth in a 6-0, 6-1. Finally, Kar-

jalainen concluded the sweep of Ursinus, winning in straight sets, 6-2, 6-1.

The following day Hopkins hosted the 17th-ranked Carnegie Mellon Tartans.

The Jays clearly showed why they deserve to be the 12th-

ranked team, blowing out the Tartans in shutout fashion, 9-0. The Jays improved to 9-3 overall, winning their fifth straight match and posting their third consecutive shutout of this season.

SEE M.TENNIS, PAGE B11



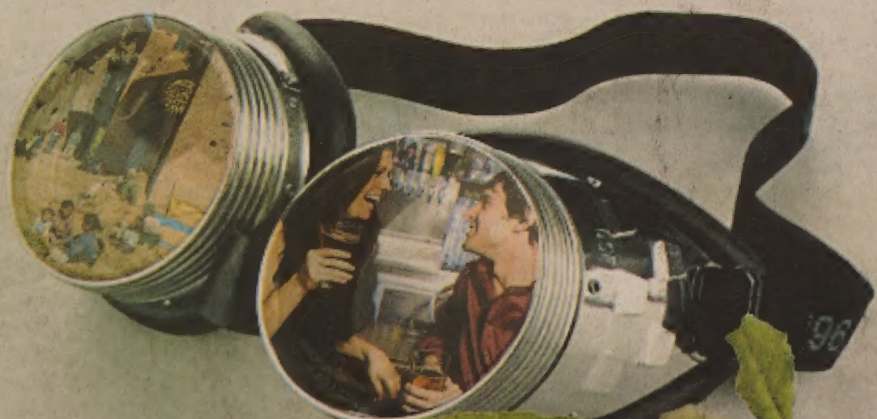
FILE PHOTO

Senior Casey Blythe won in straight sets in singles and in doubles with junior Jacob Barnaby against Carnegie Mellon on Sunday.

Remove those

Hopkins Goggles

and see a brighter future.



"Date Auction"

April 11, 2011
7pm Charles
Commons Ballroom

INSIDE

Athlete of the Week: Nandita Krishnan

The sophomore women's tennis sensation won her second consecutive Centennial Conference player of the week award after dominating Franklin & Marshall. Page B11

Women's Lacrosse: Tough Loss to Vandy

Taking on conference foe Vanderbilt this past Sunday at Homewood Field, the Lady Jays stumbled in the second half, falling to the Commodores 14-13. Page B10

Club Rugby: Takin' Names

The boys beat out Loyola and Frederick in their latest bouts on the field. Staff writer Alex Sargeant gives us an inside look. Page B11



FILE PHOTO

Sophomore Lee Coppersmith made the game winning goal against UNC on Sunday.